



AD632247

## THE PERT CRITICAL-PATH COST SYSTEM

By

C. J. THORNE  
Operations Research Group

20 April 1966

## PACIFIC MISSILE RANGE

Point Mugu, California

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# **PACIFIC MISSILE RANGE**

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## SUMMARY

A description is given of the PERT critical-path cost system and our experimental testing and evaluation of the IBM 7094 PERT Cost II program for potential Navy, Point Mugu use. Networks for two hardware projects, one management project, and a laboratory building project were successful. The PERT system and capability developed are available for cooperative implementation.

The experience gained through the use of PERT at PMR indicates the following:

1. The PERT critical-path cost system for managing and allocating time and resources and evaluating performance should be established at PMR, by phasing it in, project by project. The initial effort should be to establish individual project time, manpower, and performing organization PERT network and manual update reporting.
2. Major and immediate improvement in planning and performance can be expected since this is the common experience. Dollar savings follow as a natural consequence of improved performance and automation.
3. Many present managers are generally familiar with the PERT system. This, together with the available checked-out IBM PERT Cost II computer program, will save training, programing time and cost.
4. The effort will fail without the dedicated contributions of PERT analysts and experts; routine computer report processing, review, and expediting by a computer services group; estimates and progress reviews by the performing groups; management review and action at all levels based on these networks and reports.

## INTRODUCTION

A major improvement in project control has grown out of the Program Evaluation and Review Technique (PERT) which was developed and implemented as a management tool by the Navy's Special Project Office in the POLARIS program. PERT has come to mean a management planning and analysis tool which uses a graphic display called a network to make clear the limitations, restrictions, and relationships resulting from the interrelations between the various tasks which, when completed in a time sequence, comprise the project. PERT has been heralded as "a decisive landmark in management technique and a device of unlimited potential." It is required by the Office of the Secretary of Defense, the Secretary of the Navy, and the Chief of Naval Material on designated projects. Considerable familiarity with PERT and critical-path methods is assumed in this report. The references, especially the IBM PERT Cost II manual will prove useful.

The PERT network consists of a series of activities (tasks), some of which can be done simultaneously (in parallel), while some require the completion of others before they can be started (series). Updating the network and preparing the various reports for a complex project requires a high-speed computer and a substantial programming effort. A fundamental notion is the "critical path" of the network. A delay in the completion of any activity on the critical path will cause exactly that delay in the completion date. Networks should be periodically updated to include any changes, reprogramming, etc. Reports which reflect the consequences of various alternatives can be produced at any time. As the project progresses, the up-to-the-minute summary and detail reports and estimates necessary for managers to manage, are automatically provided. These can include cost analyses, if desired.

The PERT critical-path cost system was designed as a total management information system. It provides a tool so that three management variables, time, resources, and performance can be managed, allocated, and evaluated with respect to a common framework. The framework consists of all work elements of the project from the top down through the successive project levels representing the systems, subsystems, etc., which make up the project. The traditional triangular organizational chart, common to all disciplined and integrated management, provides the responsible organization and performing group for each project element. The organizational chart also indicates the level of project report detail required.

The PERT system utilizes existing management and administrative tools and processes, integrating them into a disciplined planning, control, and reporting instrument for the project manager. The system design is direct, contains a minimum of complexity, and requires minimum effort to use. It will not succeed unless it is really adopted by the manager and his staff as the primary instrument for review and instilling discipline and validity into project planning, control, and reporting. This is true even though its use is required by higher

authority. It will fail unless over-all administrative and individual program, project, staff, and supporting personnel understand the system and the benefits which will accrue to all facets of management through its use.

Required inputs to the IBM PERT Cost II computer program are: (1) estimates of (a) man-days by skill category required to complete a given activity, (b) working days from start to finish of a given activity, and (c) the cost per skill category, the overhead costs, material costs, budget, equipment costs, etc.; (2) the management structure for the performing groups and skill categories; (3) actual man-hours expended, dollars expended, and event completion dates; and (4) level of detail required at each management level including milestone events. A required operational rule is that this management reporting structure be developed before any direct project work is performed and used to the completion of the project. The gross work breakdown structure should be established when the project is first proposed and continually refined throughout the life of the project so that at any instant in time, there exists a common agreed-to management base for all project participants. Project progress in terms of time, resources, and performance is evaluated against this structure.

Network development is best done as a team effort. Members of the team should include members of the performing groups responsible for major elements of the project, experts in the use of the system and its capabilities, and members of the planning staff. The network and all estimates should be developed jointly, i.e., each member should make his inputs in the presence of the other members. This is an effective way of pinning down responsibilities and fosters an exchange of ideas which gives each member a better feel for the project as a whole. As the project progresses, the estimates and the network should be continually reviewed and changed where appropriate to take advantage of actual operating experience and to adjust to changing conditions.

The IBM PERT Cost II program is a debugged operational program available for computer processing of project data and production of appropriate reports. Two unusual features are available in this program: (1) the subnet approach to a network, and (2) summarization. The project may be composed of several relatively independent subprojects. A network for each subproject may be produced. These networks for the subprojects are called subnets. Prescribing the interfaces between the subnets instructs the computer how to integrate the subnets into a complete network for the project. Individual project networks can be integrated into a network for all projects within wide limits as to number of projects and number of activities. A network may be summarized, that is, reduced to a network composed of only the milestone events, showing the time constraints imposed by the detail network. These are some of the reasons why the most suitable project PERT are those in which frequent replanning and redirection are required.

## PERT EXPERIENCE

The following four semi-experimental networks were constructed, three were with the cooperation of the Technical Support Directorate, and one was with the cooperation of Naval Missile Center personnel:

1. Mobile Diving Support System (MDSS).
2. Technical Support Management Information System (TSMI).
3. HYDRA 5 (HYD 5).
4. Simulation Laboratory (SIML).

MDSS and HYD 5 were hardware procurement and construction projects nearing completion in the Technical Support Directorate. TSMI was a plan for the development and implementation of a management reporting system to be as complete and automated as efficiency and economy would dictate. SIML was the budgeting, constructing, and equipping of a simulation laboratory.

MDSS and HYD 5 networks were constructed from information obtained by personal conference with representatives of the performing groups. TSMI was the outgrowth of daily discussions of a task group charged with the responsibility for developing such a system. It was instructive to all members of the task group to observe that progress really began once the TSMI network had been drawn up, digested, and used as a scale to measure progress. SIML was a learning exercise for Naval Missile Center, Operations Research Group, and IBM personnel with data supplied by any knowledgeable person in the group. Appendixes A, B, C, and D contain (1) manual networks with input data, and (2) sample computer outputs of (a) activity time status in order of primary slack at reporting levels one and detail, (b) program function bar charts, and (c) the updated networks at levels one and detail for all four networks. Appendix E contains some samples of cost and other summary reports for the MDSS project. Similar samples for the other networks are available. These samples are a few of the literally hundreds of monitoring-type reports available.

## REFERENCES

1. International Business Machine Corporation, Data Processing Division. Reference Manual, IBM PERT Cost II. White Plains, New York.
2. Aerospace Corporation. The Operational PERT System. El Segundo, Calif., Aug 1961. (TDR-930(2408)-TR-1) UNCLASSIFIED.
3. Department of Defense National Aeronautics and Space Administration. DOD and NASA Guide, PERT Cost Systems Design. Washington, D.C., Jun 1962.
4. National Aeronautics and Space Administration. PERT and Companion Cost System Handbook. Washington, D.C., Oct 1962.

## APPENDIX A

### MOBILE DIVING SUPPORT SYSTEM (MDSS)

#### INTRODUCTION

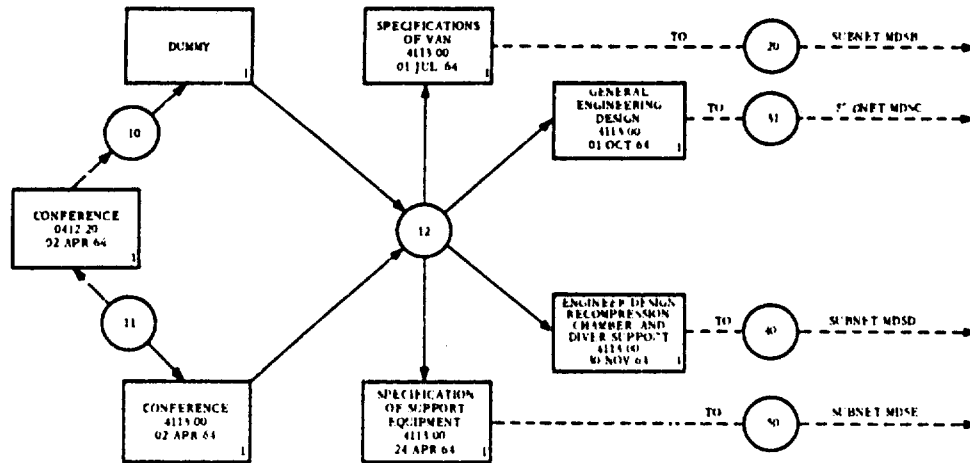
Figure 1 is the manual network. The numbers in circles are events. The boxes represent activities with title, performing group, and either working days to complete and man-days of effort or actual completion date. The numbers within the boxes are the cycle code numbers for the program function bar chart. The manually prepared network is useful for comparison.

Next follow the computer-printed activity time status reports most useful for highlighting activities which are critical to or actually endangering the completion date for the activity and the project, which activities can safely be delayed and by how much. The program function bar chart displays graphically the progress of large blocks of the network designated by the cycle code. The updated network block is the description of the event or activity and its slack. Dates of the runs are at the top of the sheet. The number above the box is the successor event. The number underneath the box is the code of the performing organization preceded by an A if the activity is completed.

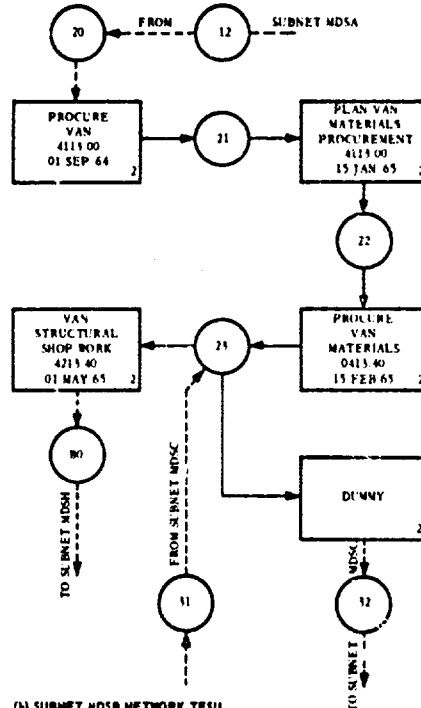
NOTES

1. NUMBERS WITHIN CIRCLES ARE EVENTS

2. BOXES GIVE ACTIVITY. SIX-DIGIT NUMBERS ARE ORGANIZATIONAL CODE OF PERFORMING GROUP. DATES ARE SCHEDULED COMPLETION DATES. NUMBERS IN RIGHT-HAND CORNER GIVE CYCLE CODE FOR THE PROGRAM FUNCTION BAR CHART.

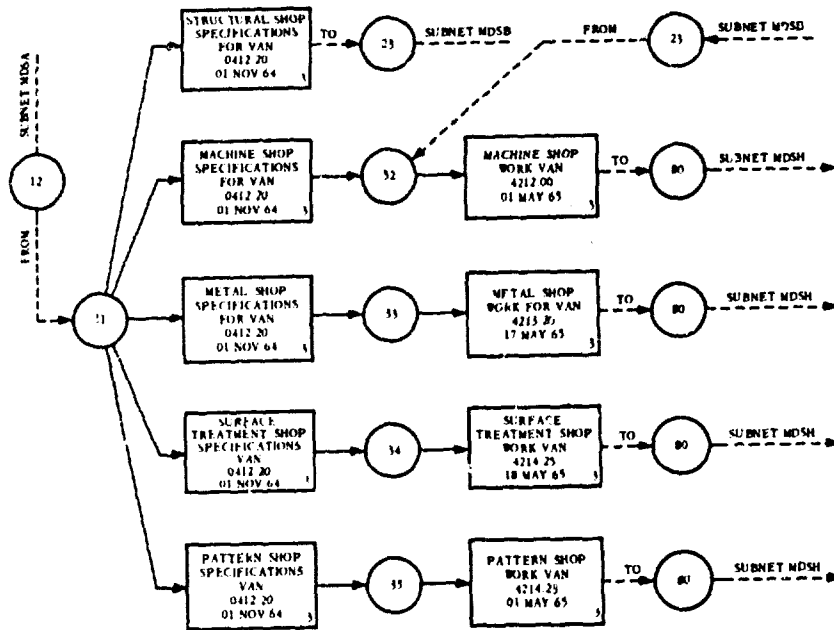


(a) SUBNET MDSA NETWORK TESU

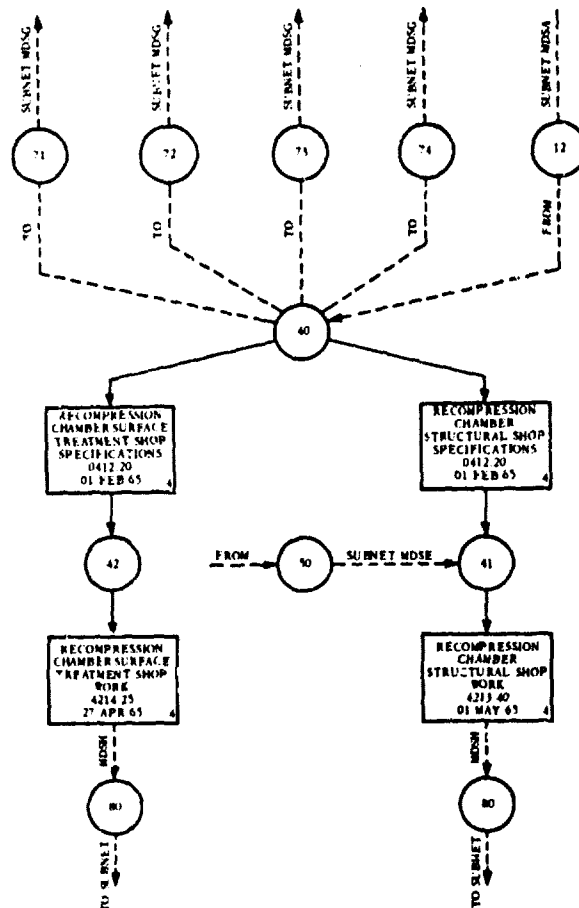


(b) SUBNET MDSA NETWORK TESU

Figure 1. MDSS Network.

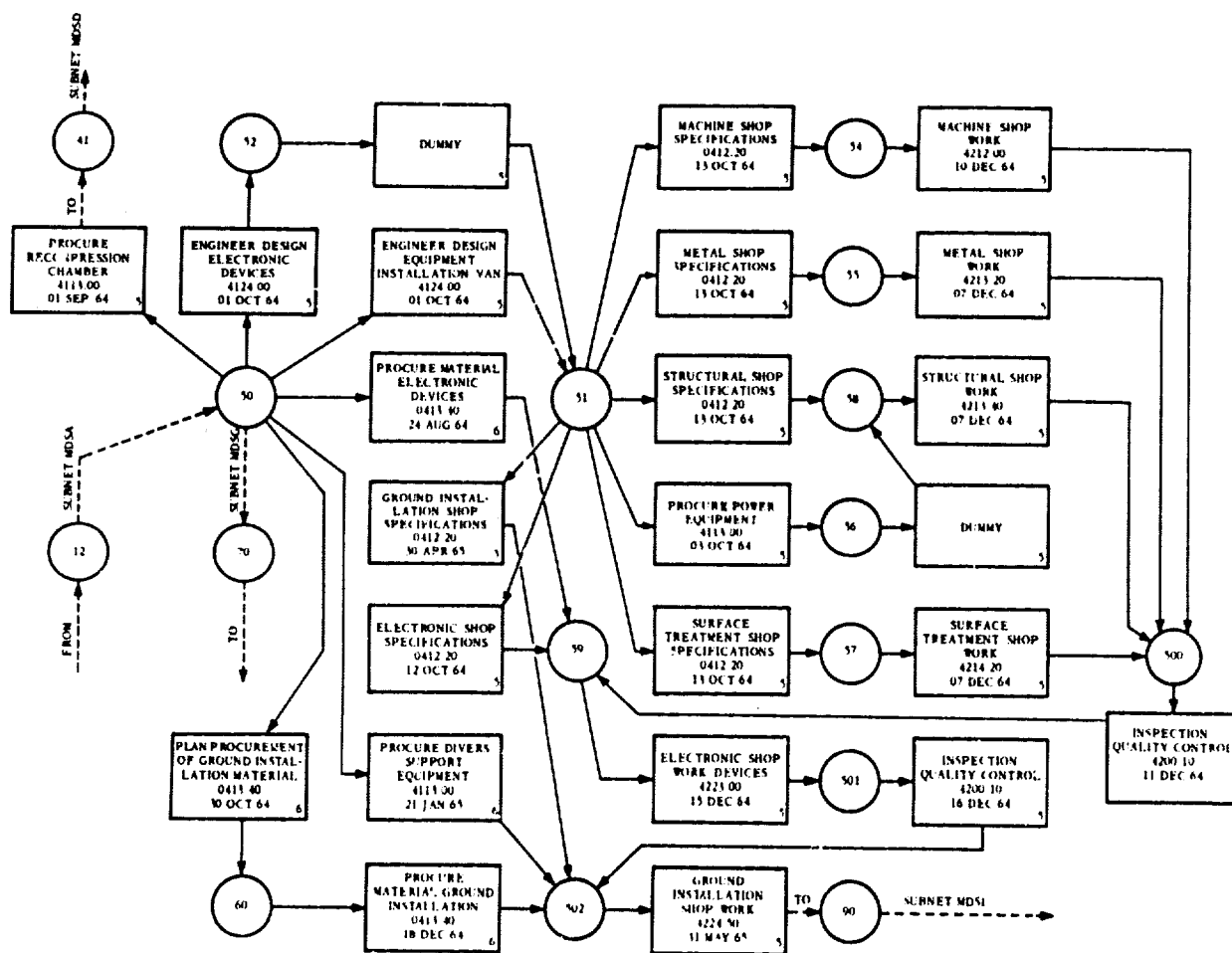


(c) SUBNET MDSC NETWORK TEST

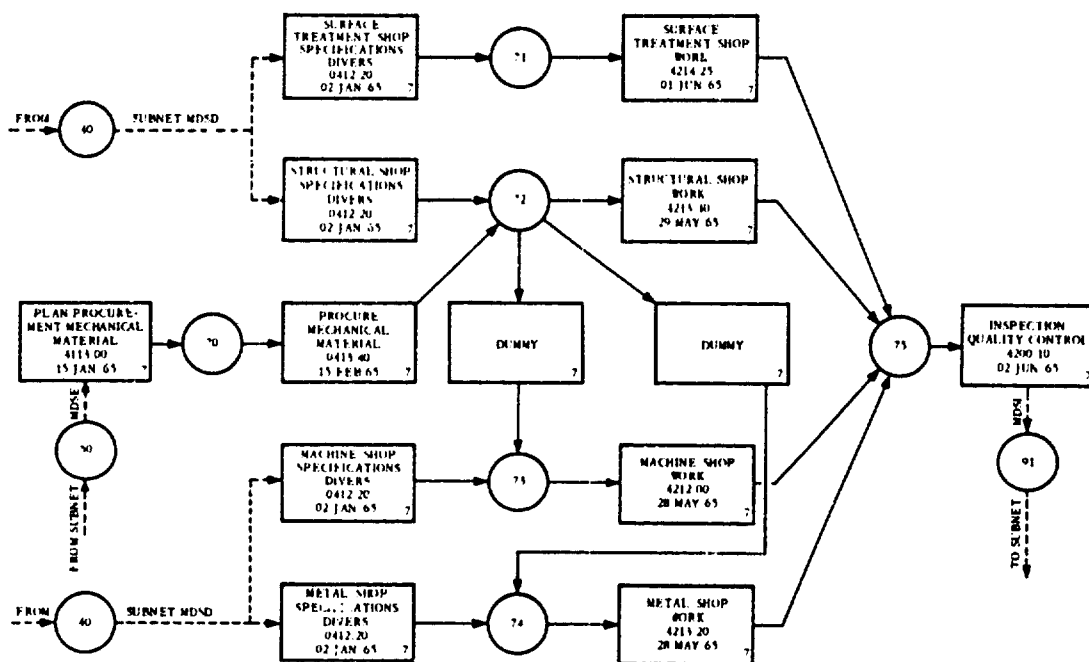


(d) SUBNET MDSC NETWORK TEST

Figure 1. (Continued).



(a) SUBNET MDSB AND MDSF NETWORK TEST



(b) SUBNET MDSG NETWORK TEST

Figure 1. (Continued).



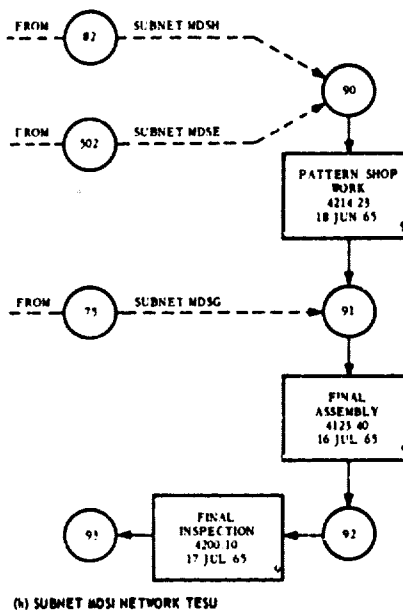
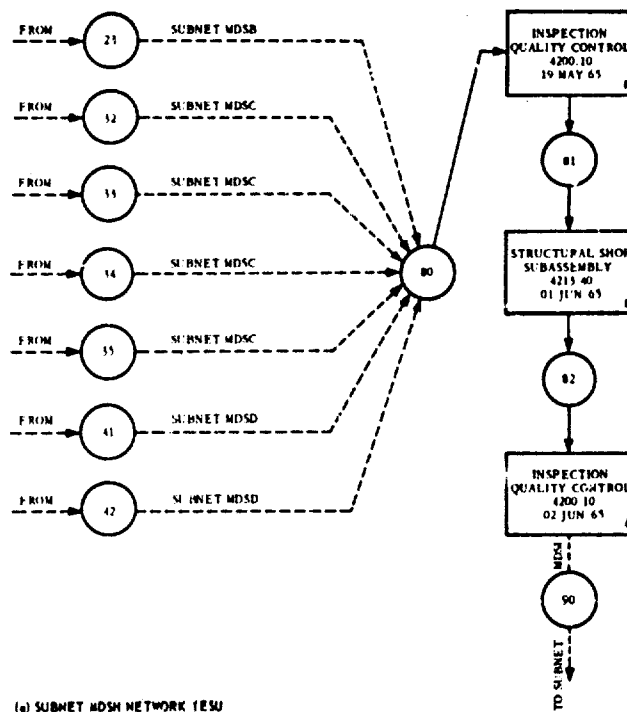


Figure 1. (Concluded).

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE

( TESU )

RUN DATE- 29APR65  
DATA DATE 01APR64

LEVEL 1

BY PHENARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHMT. DATE	DEPT.
MDSA 00000 MDSA 00011	MDSA 00011	5	START MOBILE DIVERS SUPPORT		+ .	A01APR64 X01APR64		411300
00011	90 MDSA 00000	1	SPECIFY SUPPORT EQUIP.	.6	+ .	X09APR64 X09APR64		411300
90	00000	1	SPECIFY SUPPORT EQUIPMENT	(00050)	+ .	X09APR64 X09APR64		411300
MDSI 00000	902	1	START OF FINAL ASSEMBLY	(00502)	+ .	X06APR65 X06APR65		420000
902	90 MDSI 00093	5	SHOP WORK GROUND INSTALLATIO	8.5	+ .	05AUG65 05AUG65		422450
90 MDSI 00093	00093	9	TASK COMPLETED	3.3	+ .	22SEP65 22SEP65		420000
00093	00000	E	END MOBILE DIVING SUPPORT SY		+ .	22SEP65 22SEP65		411300
MDSI 00000	90	1	START PATTERN SHOP	(00090)	+ .	05AUG65 05AUG65		420000
75	MDSI 00093	9	TASK COMPLETED	10.0	+ .	22SEP65 22SEP65		420000
MDSA 00011	20 MDSA 00000	1	SPECIFY VAN	5.1	+ .8	X12JUN64 X24JUN64		411300
20	00000	1	SPECIFY VAN	(00020)	+ .9	X12JUN64 X24JUN64		411300
MDSA 00011	31 MDSA 00000	1	GENERAL ENG. DESIGN	11.1	+ 7.0	X08SEP64 X16DEC64		411300
31	00000	1	GENERAL ENGINEERING	(00031)	+ 7.0	X08SEP64 X16DEC64		411300
MDSI 00000	75	1	SHOP WORK COMPLETED	(00075)	+ 7.7	D30APR65 19AUG65		420000
MDSA 00011	40 MDSA 00000	1	ENG.DESIGN RECON-CHAM + DIVE	15.3	+ 7.8	X05NOV64 X01MAR65		411300
40	00000	1	ENG.DESIGN RE-COM CHAMBER	(00040)	+ 7.8	X05NOV64 X01MAR65		411300

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT INITIAL DESIGN

( TESU )  
( MDSA )

RUN DATE- 29APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES		SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	S	PRIM	SECD	EXPECTED		
00000	00011	S	START MOBILE DIVING SUPPORT	.	.	.	+	.	A01APR64	X01APR64	411300
00011	00010	1	CONFERENCE	.1	.	.	+	.	X02APR64	X02APR64	041220
00010	00012	1	DUMMY	.0	.	.	+	.	X02APR64	X02APR64	
00012	00050	1	SPECIFY SUPPORT EQUIP.	.5	.	.	+	.	X09APR64	X09APR64	411300
00050	00000	1	SPECIFY SUPPORT EQUIPMENT	( 50)	.	.	+	.	X09APR64	X09APR64	411300
00011	00012	1	CONFERENCE	.1	.	.	+	.	X02APR64	X02APR64	411300
00012	00020	1	SPECIFY VAN	5.0	.	.	+	.8	X12JUN64	X24JUN64	411300
00020	00000	1	SPECIFY VAN	( 20)	.	.	+	.8	X12JUN64	X24JUN64	411300
00012	00031	1	GENERAL ENG. DESIGN	11.0	.	.	+	7.0	X08SEP64	X16DEC64	411300
00031	00000	1	GENERAL ENGINEERING	( 31)	.	.	+	7.0	X08SEP64	X16DEC64	411300
00012	00040	1	ENG.DESIGN RECON-CHAN + DIVE	15.2	.	.	+	7.8	X01NOV64	X01MAR65	411300
00040	00000	1	ENG.DESIGN RE-COM CHAMBER	( 40)	.	.	+	7.8	X05NOV64	X01MAR65	411300

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN EXTERIOR

( TESU )  
( MOSB )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES				SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	H	PR	MR	SECND	EXPECTED	LATEST		
00000	00020	1	SPECIFY VAN	1	20	1		+	.8	X12JUN64	X24JUN64		411300
00020	00021	2	PROCURE VAN	4	0			+	.8	X10AUG64	X20AUG64		411300
00021	00022	2	PLAN VAN MATERIAL PROCUREMENT	9	0			+	.8	X16DEC64	X29DEC64		411300
00022	00023	2	PROCURE VAN MATERIALS	2	1			+	.8	X18JAN65	X28JAN65		411340
00023	00032	2	DUMMY	1	0			+	.8	X18JAN65	X28JAN65		420000
00032	00000	1	SHOP SPECS. MACHINE VAN	1	32			+	.8	X18JAN65	X28JAN65		420000
00000	00023	1	VAN STRUCTURAL SHOP	1	23			+	.8	X18JAN65	X28JAN65		420000
00000	00000	1	SHOP WORK COMPLETED VAN	1	00			+	.8	13JUL65	23JUL65		421340
00023	00000	2	STRUCTURAL SHOP VAN	5	2			+	7.9	X01APR65	23JUL65		421340

ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN INTERIOR

( TFSJ )  
( MOSC )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUC EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIM	SECD	EXPECTED	LATEST		
00032	00000	1	SHOP SPECS. MACHINE VAN	(	32)		+	.8	X18JAN65	X28JAN65		420000
00023	00000	1	VAN STRUCTURAL SHOP	(	23)		+	.4	X18JAN65	X28JAN65		420000
00032	00080	3	SHOP WORK MACHINE VAN	12.3	.	.	+	.8	13JUL65	23JUL65		421200
00080	00000	1	SHOP WORK COMPLETED VAN	(	80)		+	.4	13JUL65	23JUL65		420000
00000	00031	1	GENERAL ENGINEERING	(	31)		+	7.0	X08SEP64	X16DEC64		411300
00031	00034	3	SHOP SPECS. SURFACE TREAT VA	2.0	.	.	+	7.0	X06OCT64	X15JAN65		041220
00034	00080	3	SHOP WORK SURFACE TREAT VAN	13.2	.	.	+	7.0	X14APR65	23JUL65		421425
00031	00033	3	SHOP SPECS. METAL VAN	2.0	.	.	+	7.1	X06OCT64	X18JAN65		041220
00033	00080	3	SHOP WORK METAL VAN	13.1	.	.	+	7.1	X13APR65	23JUL65		421320
00031	00023	3	SHOP SPECS. STRUCTURAL VAN	2.0	.	.	+	7.9	X06OCT64	X28JAN65		041220
00031	00032	3	SHOP SPECS. MACHINE VAN	2.0	.	.	+	7.9	X06OCT64	X28JAN65		041220
00031	00035	3	SHOP SPECS. PATTERN VAN	2.0	.	.	+	7.9	X06OCT64	X28JAN65		041220
00035	00080	3	SHOP WORK PATTERN VAN	12.3	.	.	+	7.9	X01APR65	23JUL65		421425

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT RE-COMPRESSION CHAMBER

( TESU )  
( MODD )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVFMT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED.	
				A	M	B	PRIMR	SECND	EXPECTED	LATEST	DATE	DEPT.
00080	00000	I	SHOP WORK COMPLETED RE-COMP	(	80)		+	0.8		13JUL65	23JUL65	420000
00000	00040	I	ENG. DESIGN RE-COM CHAMBER	(	40)		+	7.8		X05NOV64	X01MAR65	411300
00040	00041	4	SHOP SPECS. STRUCTURAL RE-COM	4.0	.	.	+	7.8		X05JAN65	X28APR65	041220
00041	00000	I	PROCURE RE-COM CHAMBER	(	41)		+	7.8		X05JAN65	X28APR65	411300
00041	00080	4	SHOP WORK STRUCTURAL RE-COM	6.2	.	.	+	7.8		X02APR65	23JUL65	421340
00040	00042	4	SHOP SPECS. SURFACE TREAT RE-	4.0	.	.	+	8.0		X05JAN65	X28APR65	041220
00042	00080	4	SHOP WORK SURFACE TREAT RE-C	6.0	.	.	+	8.0		X31MAR65	23JUL65	421425

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT ELECTRONICS( TISH )  
( MOSF )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUC EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M R	SLACK PRMR SECD	COMPLETION DATES EXPECTED LATFST	SCHED. DATE DEPT.
00000	00050	I	SPECIFY SUPPORT EQUIPMENT	( 50)	+ .	X09APR64 X09APR64	411300
00050	00052	5	ENG.DESIGN ELECTRONIC DEVICE	10.5 .	+ .	X08SEP64 X08SEP64	412400
00052	00051	5	DUMMY	.0 .	+ .	X08SEP64 X08SEP64	
00051	00052	5	SHOP SPECS. GROUND INSTALLAT	14.6 .	+ .	X06APR65 X06APR65	041220
00502	00000	I	PRODUCTION COMPLETED	( 502)	+ .	X06APR65 X06APR65	420010
00050	00051	5	ENG.DESIGN EQUIP.INSTALL VAN	10.5 .	+ .	X08SEP64 X08SEP64	412400
00041	00000	I	PROCURE RF-COM CHAMBER	( 41)	+ 7.8	X05JAN65 X26APR65	411300
00051	00058	5	SHOP SPECS. STRUCTURAL	.8 .	+ 8.9	X18SEP64 X26JAN65	041220
00058	00500	5	SHOP WORK STRUCTURAL	4.4 .	+ 8.9	X19NOV64 X30MAR65	421320
00500	00059	5	INSPECTION	.1 .	+ 8.9	X20NOV64 X31MAR65	420010
00059	00000	I	PROCURE ELECTRONICS MATERIAL	( 59)	+ 8.9	X20NOV64 X31MAR65	041340
00059	00501	5	SHOP WORK ELECTRONIC DEVICES	.3 .	+ 8.9	X25NOV64 X05APR65	422300
00501	00502	5	INSPECTION	.1 .	+ 8.9	X27NOV64 X06APR65	420010
00051	00055	5	SHOP SPECS METAL	.8 .	+ 9.1	X18SEP64 X28JAN65	041220
00055	00500	5	SHOP WORK METAL	4.2 .	+ 9.1	X17NOV64 X30MAR65	421320
00051	00054	5	SHOP SPECS. MACHINE	.8 .	+ 9.3	X18SEP64 X01FEB65	041220
00054	00500	5	SHOP WORK MACHINE	4.0 .	+ 9.3	X13NOV64 X30MAR65	421200
00051	00057	5	SHOP SPECS. SURFACE TREATMEN	.8 .	+ 9.4	X19SEP64 X02FEB65	041220
00057	00500	5	SHOP WORK SURFACE TREATMENT	3.9 .	+ 9.4	X12NOV64 X30MAR65	421420
00051	00056	5	PROCURE POWER EQUIPMENT	.2 .	+ 9.5	X10SEP64 X26JAN65	411300
00056	00058	5	DUMMY	.0 .	+ 9.5	X10SEP64 X26JAN65	
00051	00059	5	SHOP SPECS. ELECTRONICS	.7 .	+13.5	X17SEP64 X31MAR65	041220
00050	00041	5	PROCURE RF-COM-CHAMBER	8.5 .	+18.0	X10AUG64 X26APR65	411300

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT DIVERS SUPPORT EQUIPMENT( YES )  
( NO )RUN DATE: 28APR65  
DATA DATE: 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	TIME A	ESTIMATES M	R	SLACK PRIMR	SECON	COMPLETION DATES EXPECTED LATEST	SCH'D. DATE	DEPT.
00000	00050	1	PROCURE	(	50)		+	.	X09APR64 X09APR64		411300
00502	00000	1	PROCUREMENT GROUND INSTALLAT	(	502)		+	.	X06APR65 X06APR65		041340
00050	00502	6	PROCURE DIVERS SUPPORT EQUIP	17.6	.	.	+	7.5	X17DEC64 X06APR65		411300
00059	00000	1	PROCURE ELECTRONICS MATERIAL	(	59)		+	8.9	X20NOV64 X11MAR65		041340
00050	00060	6	PLAN PROCURE GROUND INST.MAT	12.4	.	.	+	9.5	X05OCT64 X18FER65		412400
00060	00502	6	PROCURE MAT GROUND INSTALLAT	1.2	.	.	+	9.5	X18NOV64 X06APR65		041340
00050	00059	6	PROCURE MAT ELEC DEVICES	7.8	.	.	+	15.9	X30JUL64 X11MAR65		041340



## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT MECH( YESU )  
( MSG )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	H	PRMR	SECD	EXPECTED	LATEST		
00000	00050	I	PROCURE MECH. MATERIAL	(	50)		+		X09APR64	X09APR64		411300
00050	00070	7	PLAN MECH MAT PROCUREMENT	17.6	.	.	+	7.7	X17DEC64	X08APR65		411300
00070	00172	7	PROCURE MECH. MATERIAL	2.0	.	.	+	7.7	X18JAN65	006MAY65		041340
00072	00071	7	DUMMY	.0	.	.	+	7.7	X18JAN65	006MAY65		
00071	00075	7	SHOP WORK SURFACE TREAT DIVE	7.3	.	.	+	7.7	X10APR65	19AUG65		421425
00075	00000	I	SHOP WORK COMPLETED DIVERS	(	75)		+	7.7	030APR65	19AUG65		420000
00000	00040	I	ENG DESIGN RE-COM CHAMBER	(	40)		+	7.9	X05NOV64	X01MAR65		411300
00072	00075	7	SHOP WORK STRUCTURAL DIVERS	7.2	.	.	+	7.8	029APR65	19AUG65		421340
00072	00074	7	DUMMY	.0	.	.	+	7.9	X18JAN65	010MAY65		
00074	00075	7	SHOP WORK METAL	7.1	.	.	+	7.9	X29APR65	19AUG65		421320
00072	00073	7	DUMMY	.0	.	.	+	7.9	X18JAN65	010MAY65		
00073	00075	7	SHOP WORK MACHINE	7.1	.	.	+	7.9	X29APR65	19AUG65		421200
00040	00071	7	SHOP SPECS SURFACE TREAT DIV	2.2	.	.	+	10.4	X08DEC64	006MAY65		041220
00040	00072	7	SHOP SPECS STRUCTURAL DIVERS	2.2	.	.	+	10.4	X08DEC64	006MAY65		041220
00040	00073	7	SHOP SPECS MACHINE DIVERS	2.2	.	.	+	10.6	X08DEC64	010MAY65		041220
00040	00074	7	SHOP SPECS METAL DIVERS	2.2	.	.	+	10.6	X08DEC64	010MAY65		041220

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT SUBASSEMBLY( TFSU )  
( MDSH )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIMR	SECD	EXPECTED	LATEST		
00090	00000	1	SUBASSEMBLY	(	90)		+	.	05AUG65	05AUG65		420010
00000	00080	1	INSPECTION VAN, RE-COM CHANG	(	80)		+	.9	13JUL65	23JUL65		420010
00080	00081	8	INSPECTION	.	1	.	+	.8	14JUL65	24JUL65		420010
00081	00082	8	SUBASSEMBLY STRUCTURAL SHOP	.	7	.	+	.8	23JUL65	04AUG65		421340
00082	00090	8	INSPECTION	.	1	.	+	.8	26JUL65	05AUG65		420010

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT FINAL ASSEMBLY( TEST )  
( MOST )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PRECED EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	R	PRIM	SECD	EXPECTED	LATEST		
00000	00502	I	START OF FINAL ASSEMBLY	(	502)		+	.	X06APR65	X06APR65		420000
00502	00090	5	SHOP WORK GRINDING INSTALLATION	4.5	.	.	+	.	05AUG65	05AUG65		422450
00090	00091	9	SHOP WORK PATTERN	1.1	.	.	+	.	20AUG65	20AUG65		421423
00091	00092	9	FINAL ASSEMBLY	2.1	.	.	+	.	21SEP65	21SEP65		421340
00092	00093	9	FINAL INSPECTION	.1	.	.	+	.	22SEP65	22SEP65		420010
00093	00100	E	END MOBILE DIVING SUPPORT SY	.	.	.	+	.	22SEP65	22SEP65		411300
00000	00090	I	START PATTERN SHOP	(	90)		+	.	05AUG65	05AUG65		420000
00000	00075	I	SHOP WORK COMPLETED	(	75)		+	7.7	03APR65	19AUG65		420000
00075	00091	7	INSPECTION	.1	.	.	+	7.7	03MAY65	20AUG65		420010

I B P P E R T C O S T  
P R O G R A M F U N C T I O N G A R C H A R T

PAGE 1

PROGRAM DESCRIPTION - TECHNICAL SUPPORT DIRECTORATE  
PROGRAM IDENTIFICATION - YESU

RUN DATE - 28 APR 65  
DATA DATE - 01 APR 64

FUNCTION CODE	NAME	TIME INTERVAL FUNCTION IS BEING PERFORMED																								FINAL DATE
		- FUNCTION COMPLETE												- FUNCTION NOT COMPLETE												
1	START MOSS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	05NOV64	
2	DESING VAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	01APR65	
3	VAN PRODUCTI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13JUL65	
4	RECON-CHAMAE	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	02APR65	
5	ELECTRONIC DI	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	05AUG65	
6	PROCUREMENT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	17DEC64	
7	DIVIER EQUIP	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	03MAY65	
8	SUBASSEMBLY	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26JUL65	
9	FINISH	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22SEP65	
		NOV	JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR										
		DEC	FEB	APR	JUN	AUG	OCT	DEC	FEB	APR	JUN	AUG	OCT	DEC	FEB	APR										
		X							X						X											
		1 9 6 4												1 9 6 5												
		M O N T H S																								



77-24-65

04-24-69

```

00091
00 MFSIO
TASK COO
ZOMPLETFNO
-----
F0      *
1*    +   *
1*****
1     420'00
1-----
1
1
1
1
1

```

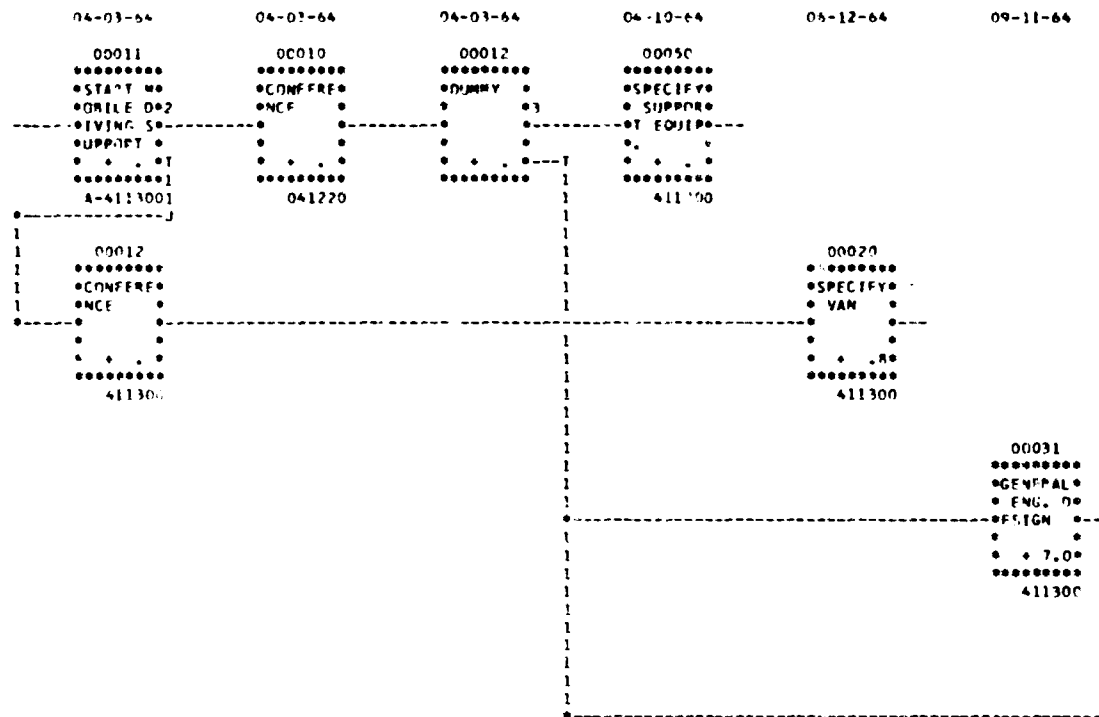
ACTIVITY ORIENTED DIAGRAM

PROJ.-INITIAL DESIGN

LEVEL-DETAIL (MOSA)

DATE-DIAPRA64

PAGE 1



ACTIVITY ORIENTED DIAGRAM

PROJ.-INITIAL DESIGN

LEVEL-DETAIL ( MOSA)

DATE-01APR64

PAGE 2

11-06-64

```

00040
*****
*ENG.DES*
*IGN RFC*
-----*DM-CHAM*-----
* + DIVE*
* + 7.8*
*****
411300
    
```

1





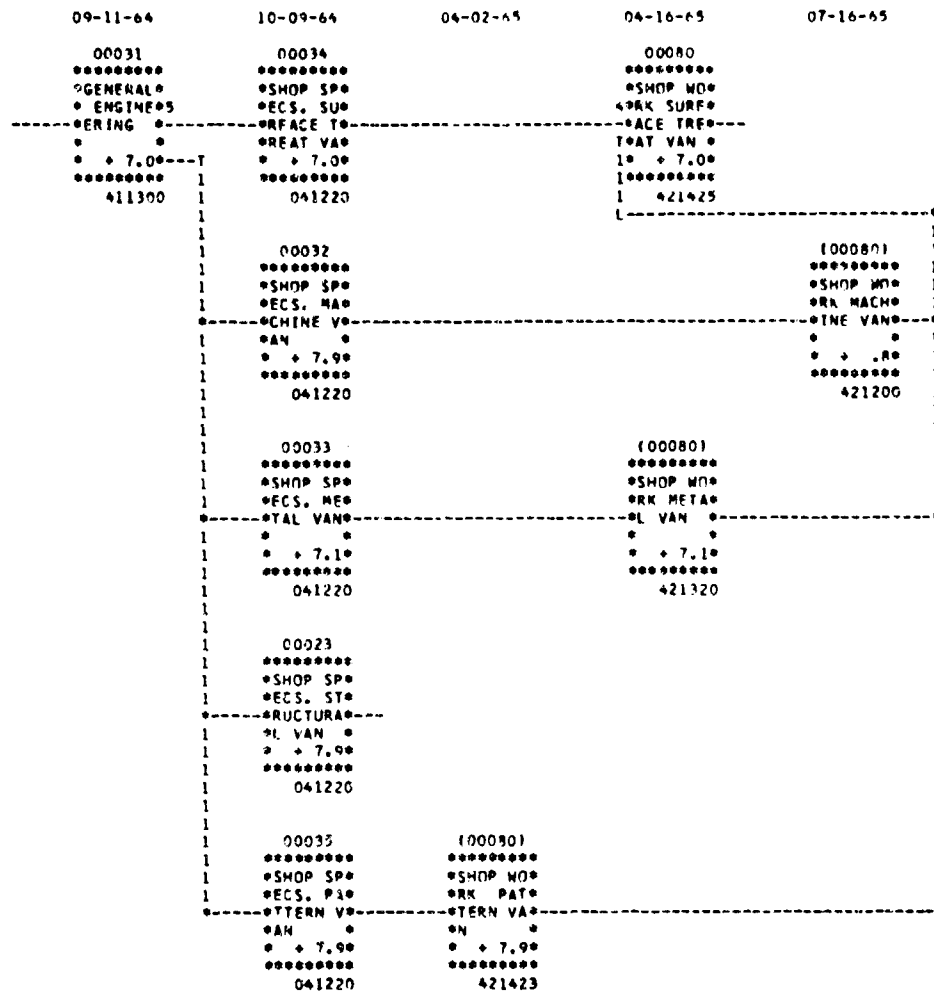
ACTIVITY ORIENTED DIAGRAM

PROJ.-VAN INTERIOR

LEVEL-DEYAIL ( MDSO)

DATE-01APR64

PAGE 1



ACTIVITY ORIENTED DIAGRAM

PROJ.-REF-COMPRESSION CHAMBER

LEVFL-DETAIL ( MDSI)

DATE-01APR64

PAGE 1

11-06-64	01-09-65	04-07-65
00040	00041	00080
*****	*****	*****
*ENG. JF*	*SHOP SP*	*SHOP WD*
*SIGN RF*2	*ECS. STR*	*RK STR*
-----	-----	-----
*CHM CH*	*STRUCT*	*STRUCT*
*AMBER *	*RE-CON*	*REF-CON *
* + 7.8*	* + 7.8*	* + 7.8*
*****	*****	*****
411300	041220	421340
1		1
1		1
1	00042	00090
1	*****	*****
1	*SHOP SP*	*SHOP WD*
1	*ECS. STR*	*RK SUPP*
-----	-----	-----
	*FACE TR*	*ACE TRF*
	*FAT RE*	*AT RE-C*
	* + 8.0*	* + 8.0*
	*****	*****
	041220	421425

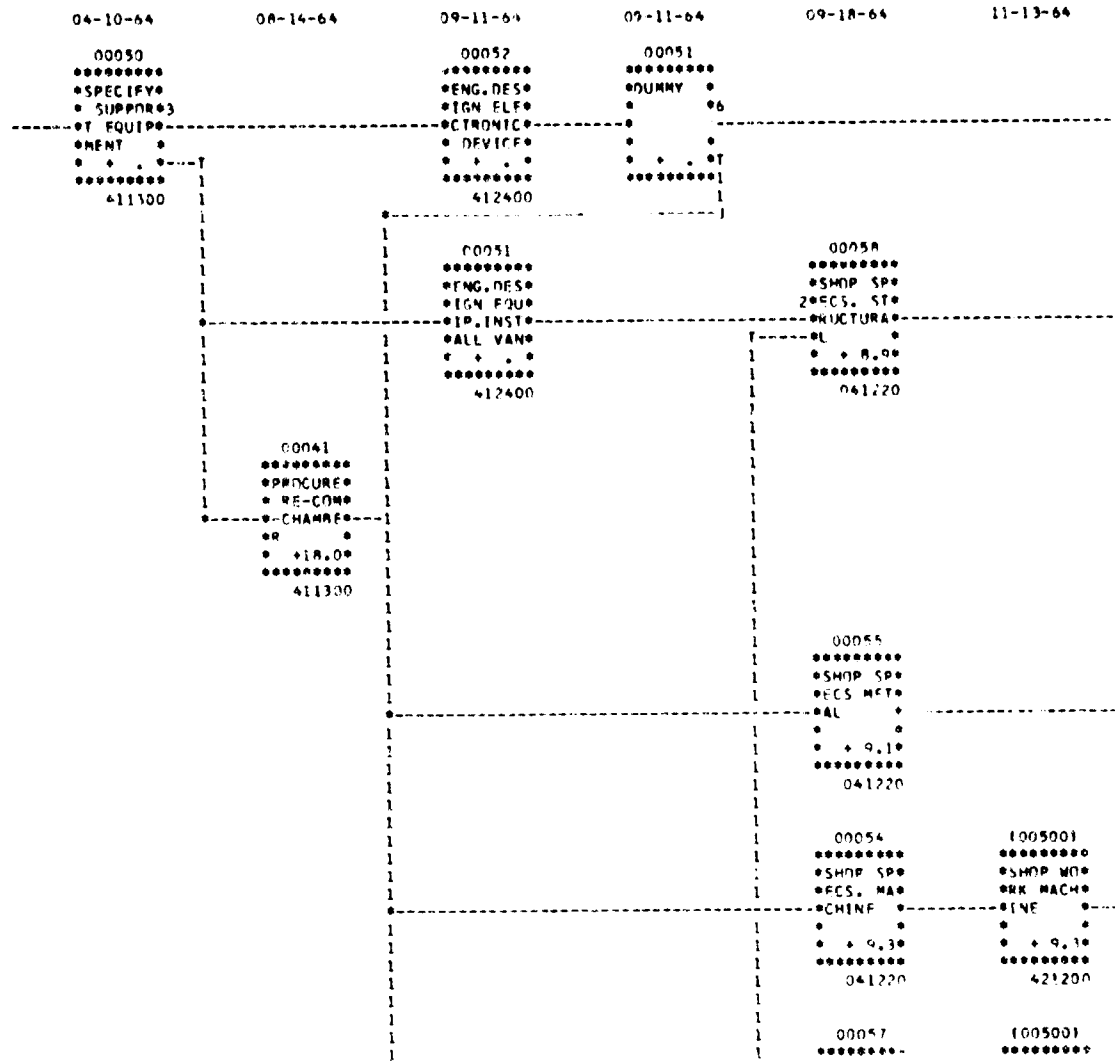
ACTIVITY ORIENTED DIAGRAM

PROJ.-ELECTRONICS

LEVEL-DETAIL ( MOSE)

DATE-01APR64

PAGE 1



		0540P SP0	0540P M00
		PECS, SU0	ORR SURF0
		REFACE TO	FACE TREE
		REFATMEN0	0ATMENT 0
		0 + 9.40	0 + 9.40
		00000000	00000000
		041220	421420
00036	(000350)		
00000000	00000000		
0PR0C1M0	0DUMMY 0		
0 POWER 0	0		
0EQUIPME0	0		
0NT 0	0		
0 + 9.50	0 + 9.50		
00000000	00000000		
411100			
		(000350)	
		00000000	
		0540P SP0	
		PECS, F10	
		0E0TR0N10	
		0CS 0	
		0 + 11.40	
		00000000	
		041220	

# ACTIVITY ORIENTED DIAGRAM

PROJ.-ELECTRONICS

LEVEL-DETAIL ( NOSE)

DATE-01APR64

PAGE 2

11-20-64

11-20-64

11-27-64

11-27-64

04-09-65

00502

\*\*\*\*\*

\*SHOP SP\*

2\*ECS. GR\*

ROUND IN\*

\*STALLAT\*

\* + \*

\*\*\*\*\*

041220

00500

\*\*\*\*\*

\*SHOP MO\*

\*RK STRU\*

CTURAL \*

1\* + 8.9\*

\*\*\*\*\*

1 421320

\*\*\*\*\*

00509

\*\*\*\*\*

\*INSPECT\*

2\*ION \*

1\* + 8.9\*

\*\*\*\*\*

1 420010

\*\*\*\*\*

00501

\*\*\*\*\*

\*SHOP MO\*

\*RK ELEC\*

TRONIC \*

\*DEVICES\*

\* + 8.9\*

\*\*\*\*\*

1 422300

\*\*\*\*\*

(00502)

\*\*\*\*\*

\*INSPECT\*

\*ION \*

\* + 8.9\*

\*\*\*\*\*

1 420010

\*\*\*\*\*

(00500)

\*\*\*\*\*

\*SHOP MO\*

\*RK MET\*

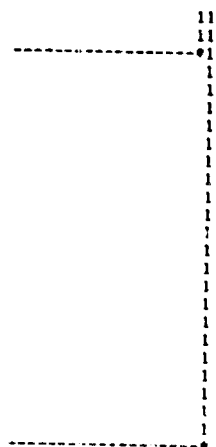
AL \*

\* + 9.1\*

\*\*\*\*\*

1 421320

\*\*\*\*\*



[illegible]



PROJ -MECH		LEVEL-DETAIL	( MSG)	DATE-01APR64	PAGE 1
04-10-64	12-11-64	12-18-64	01-22-65	01-22-65	04-30-65
00070 ***** *PROCURE*		00070 ***** *PLAN ME*	00072 ***** *PROCURE*	00071 ***** *DUMMY *	00075 ***** *SHOP MO*
*MECH. *		*CM 4AT *	*MECH. *3	2*	*RK SURF*
MATERIA		PROCURE	MATERIA		FACE TREE
L		*ENT *	L Y-----*	*	TAT DIVE*
+ . *		* + 7.7*	* + 7.7*	* + 7.7*	1* + 7.7*
*****		*****	*****	*****	1*****
411300		411300	0413401		1 421625
	(00071) ***** *SHOP SP*				
	*FCS SUR*				
	FACE TR				
	EAT DIV*				
	* +1C.4*				
	***** 041220				
	00072 ***** *SHOP SP*				
	*FCS STR*				
	UCTURAL*				(00075) ***** *SHOP MO*
	DIVERS*				*RK STRU*
	* +10.4*				CTURAL *
	***** 041220				DIVERS *
					* + 7.8*
					***** 421340
			00074 ***** *DUMMY *		(00075) ***** *SHOP MO*
			2*		*RK MEYA*
					L *
			Y-----*		* *
			* + 7.9*		* + 7.9*
			*****		***** 421320
	(00074) ***** *SHOP SP*				
	*ECS MET*				
	AL DIVE				
	*RS *				
	* +10.6*				
	***** 041220				
			00073 *****		(00075) *****

	1	0000731		1	0000731	
	1	*****		1	*****	
	1	05HOP SP0		1	05HOP SP0	
	1	0FCS MAC0		1	0FCS MAC0	
	1	-----0HINF DI0-----		1	-----0HINF DI0-----	
	1	0VFRS		1	0VFRS	
	1	0 +10.60		1	0 +10.60	
	1	*****		1	*****	
	1	041220		1	041220	

	1	0000731		1	0000731	
	1	*****		1	*****	
	1	05HOP SP0		1	05HOP SP0	
	1	0FCS MAC0		1	0FCS MAC0	
	1	-----0HINF DI0-----		1	-----0HINF DI0-----	
	1	0VFRS		1	0VFRS	
	1	0 +10.60		1	0 +10.60	
	1	*****		1	*****	
	1	041220		1	041220	

	1	0000731		1	0000731	
	1	*****		1	*****	
	1	05HOP SP0		1	05HOP SP0	
	1	0FCS MAC0		1	0FCS MAC0	
	1	-----0HINF DI0-----		1	-----0HINF DI0-----	
	1	0VFRS		1	0VFRS	
	1	0 +10.60		1	0 +10.60	
	1	*****		1	*****	
	1	041220		1	041220	

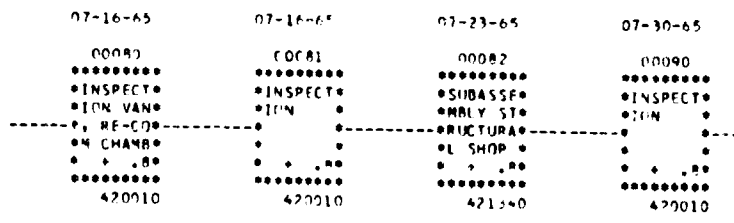
# ACTIVITY ORIENTED DIAGRAM

PROJ.-SUBASSEMBLY

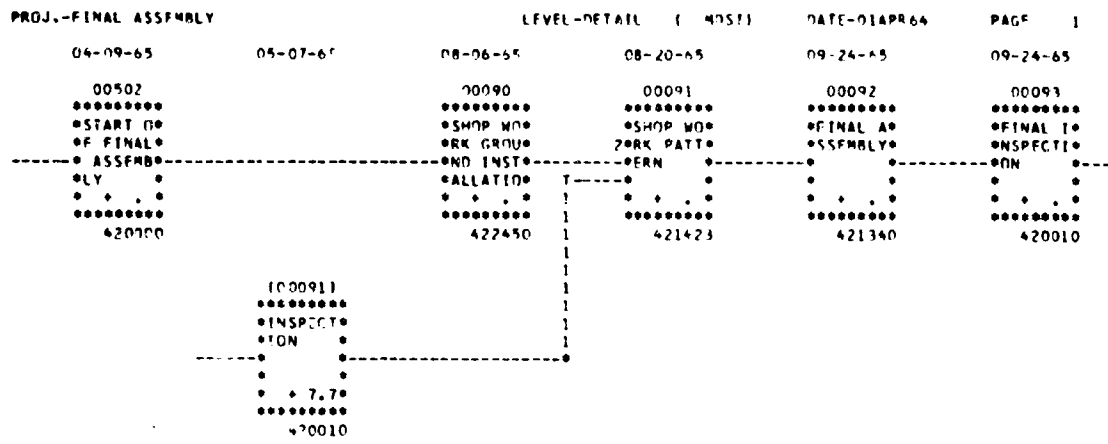
LEVEL-DETAIL ( NOSHI)

DATE-01APR64

PAGE 1



# ACTIVITY ORIENTED DIAGRAM



## APPENDIX B

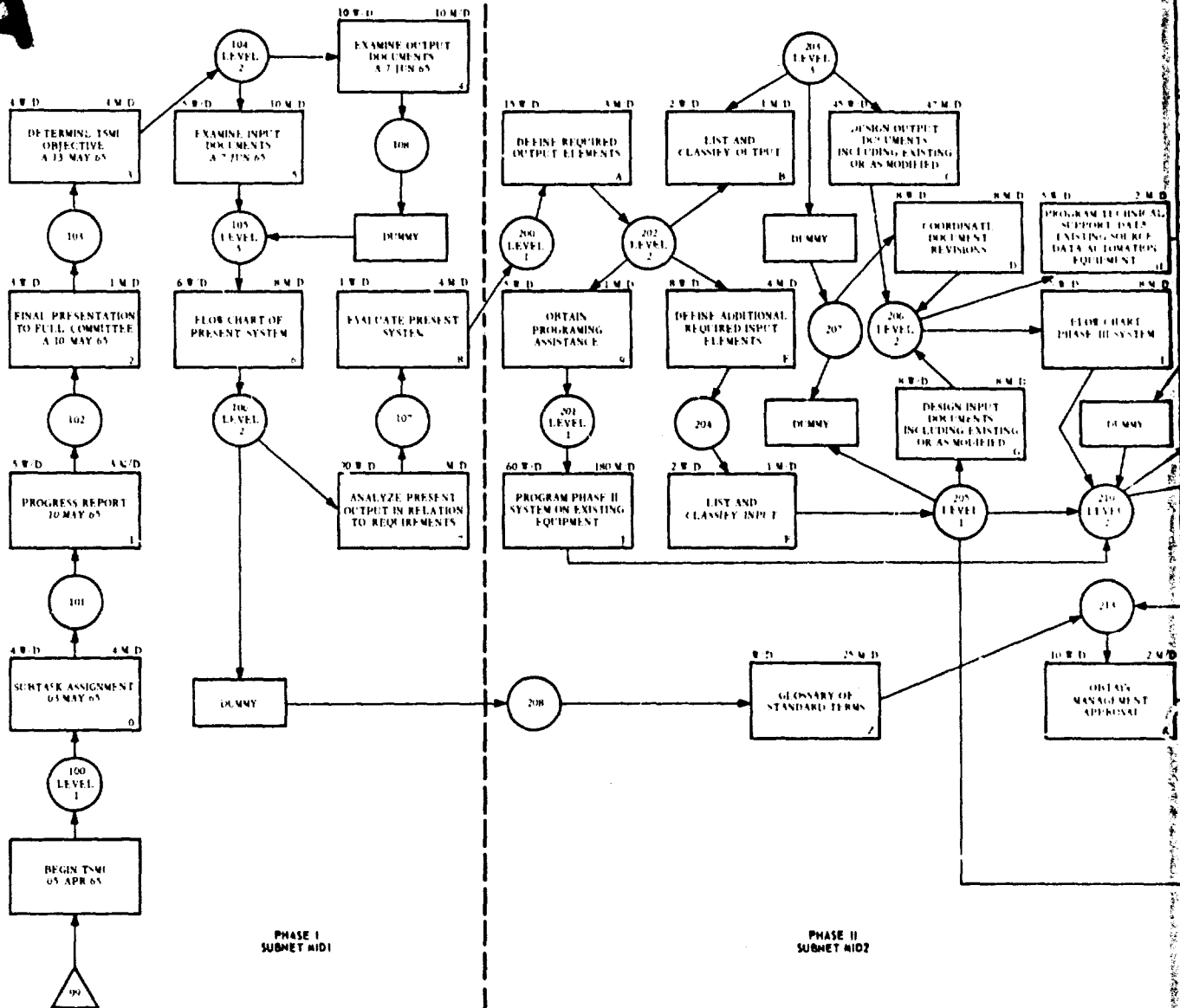
### TECHNICAL SUPPORT MANAGEMENT INFORMATION (TSMI)

#### INTRODUCTION

Figure 2 is the manual network. The numbers in circles are events. The boxes represent activities with title, performing group, and either working days to complete and man-days of effort or actual completion data. The numbers within the boxes are the cycle code numbers for the program function bar chart. The manually prepared network is useful for comparison.

Next follow the computer-printed activity time status reports most useful for highlighting activities which are critical to or actually endangering the completion date for the activity and the project, which activities can safely be delayed and by how much. The program function bar chart displays graphically the progress of large blocks of the network designated by the cycle code. The updated network, as output by the computer, is next. In the network block is the description of the event or activity and its slack. Dates of the runs are at the top of the sheet. The number above the box is the successor event. The number underneath the box is the code of the performing organization preceded by an A if the activity is completed.

A



NOTES:

1. BROKEN LINES ENCLOSE SUBNETS
2. THREE-DIGIT NUMBERS WITHIN CIRCLES ARE EVENTS. LEVEL NUMBERS ARE LEVELS OF COMPUTER SUMMARIZATION
3. BOXES GIVE ACTIVITIES. DATES ARE SCHEDULED COMPLETION DATES. "A" PRECEDING A DATE INDICATES ACTUAL COMPLETION DATE. NUMBERS LETTERS IN RIGHT-HAND CORNER GIVE CYCLE CODE FOR THE PROGRAM FUNCTION BAR CHART
4. "W.D." AND "M.D." GIVE ESTIMATED TIME (IN WORKING DAYS AND MAN-DAYS) TO COMPLETE EVENT

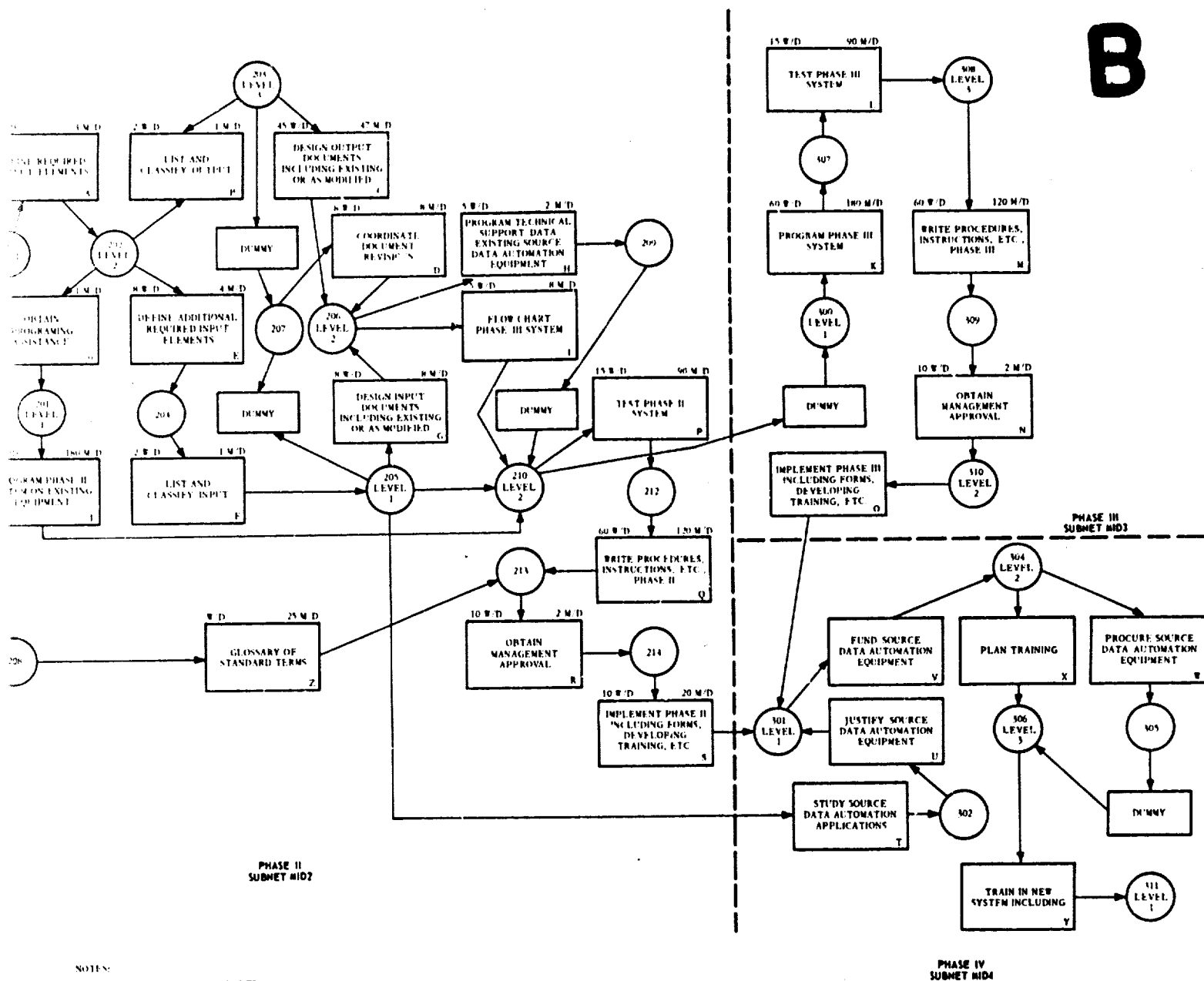


Figure 2. TSMI Network.

# ACTIVITY TIME STATUS REPORT

PROGRAM TSMI FOR TECH SUPPORT BY DRG. 01-2.

( TSMI )

PAGE 1

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL 1

BY PRIMARY SLACK

PREC EVENT	SULC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIM SECOND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
M101 00000	M101 00099	S	* BEGIN TSMI		* *	A03APR65 A03APR65		400000
M101 00099	M101 00100	C	* START TSMI		* *	A03APR65 A03APR65		400000
M101 00100	200 M101	R	END PHASE I PRESENT SYSTEM	6.8	* *	A12JUL65 A12JUL65		400000
200 00000	200 00000	I	END PHASE I PRESENT SYSTEM	100200	* *	A12JUL65 A12JUL65		400000
M102 00000	200 00000	I	* START PHASE II OUTPUT DEFIN	100200	* *	A12JUL65 A12JUL65		400000
200 00000	300 M102	I	END PHASE II FLOW CHART	7.0	* *	D19OCT65 D19OCT65		400000
300 00000	300 00000	I	END PHASE II FLOW CHART	100300	* *	D19OCT65 D19OCT65		400000
205 00000	200 00000	I	END PHASE II FLOW CHART	5.5	* *	D19OCT65 D19OCT65		400000
300 00000	300 M102	I	IMPLEMENT PHASE III, FORMS	14.5	* *	16MAY66 16MAY66		400000
301 00000	301 00000	I	END PHASE III PROGRAM	100300	* *	16MAY66 16MAY66		400000
M103 00000	300 00000	I	* START PHASE III PROGRAM	100300	* *	D19OCT65 D19OCT65		400000
M104 00000	301 M104	I	* START PHASE IV SDA FUND	100300	* *	16MAY66 16MAY66		400000
301 00000	301 M104	I	END TSMI		* *	16MAY66 16MAY66		400000
M104 00311	00000 00000	F	END SUB-TASK ASSIGNMENT		* *	16MAY66 16MAY66		400000
M107 00000	301 00000	I	END PHASE II IMPLEMENTATION	100300	* *	16MAY66 16MAY66		400000
M104 00000	305 00000	I	* START PHASE IV SDA STUDY	10 205	* 4.2	A02AUG65 D30SEP65		400000



## ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM TSMT FOR TECH SUPPORT BY ORG, 01-2.

( TSMT )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL 1

BY PRIMARY SLACK

PREC EVENT	SUCG. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
M102 00000	205	I *	LIST + CLASSIFY INPUT	(00205)	+ 4.2	X02AUG65 030SEP65		400000
	200	F	LIST + CLASSIFY INPUT	1.5	+ 4.7	X02AUG65 030SEP65		400000
	200	S	END PHASE II IMPLEMENTATION	16.5	+ 5.0	07MAR66 16MAY66		400000
	205	S	END PHASE II IMPLEMENTATION	15.0	+ 5.0	07MAR66 16MAY66		400000
	208	S	END PHASE II IMPLEMENTATION	16.6	+ 5.0	07MAR66 16MAY66		400000
M102 00000	208	I *	START PHASE II SYSTEM	(00218)	+19.0	X09JUL65 08APR66		400000
	M101 00000	I	END PHASE I PROGRAM	(00208)	+19.0	A09JUL65 08APR66		400000
M101 02100	208	T	END PHASE I PROGRAM	6.7	+19.0	A09JUL65 08APR66		400000
	20	U	START PHASE IV SDA FUND	.	+20.0	X02AUG65 16MAY66		400000

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TSMI FOR TECH SUPPORT BY TRC, 01-2.

( TSMI )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRECE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIM	SECD	EXPECTED	LATEST		
MID1 00000	MID1 00099	S	* BEGIN TSMI	.	9.9	.	+	.	A03APR65	X05APR65		400000
MID1 00099	MID1 00100	0	BEGIN TSMI	.	.	.	+	.	A03APR65	X05APR65		400000
MID1 00100	MID1 00101	0	SUB-TASK ASSIGNMENT	.4	.	.	+	.	A03MAY65	X03MAY65		400000
MID1 00101	MID1 00102	1	PROGRESS REPORT	.5	.	.	+	.	A10MAY65	X10MAY65		400000
MID1 00102	MID1 00103	2	FINAL PRESENTATION COMMITTEE	.9	.	.	+	.	A10MAY65	X10MAY65		400000
MID1 00103	MID1 00104	3	DETERMINE TSMI OBJECTIVE	.4	.	.	+	.	A13MAY65	X13MAY65		400000
MID1 00104	MID1 00105	5	EXAMINE INPUT DOCUMENTS	.5	.	.	+	.	A07JUN65	X07JUN65		400000
MID1 00105	MID1 00106	6	FLOW CHART PRESENT SYSTEM	.6	.	.	+	.	A07JUN65	X07JUN65		400000
MID1 00106	MID1 00107	7	ANALYSE OUTPUT REQUIREMENTS	2.0	.	.	+	.	A09JUL65	X09JUL65		400000
MID1 00107	MID1 200	8	EVALUATE PRESENT SYSTEM	.1	.	.	+	.	A12JUL65	X12JUL65		400000
200 00000	MID1 00000	I	END PHASE I PRESENT SYSTEM	(00200)			+	.	A12JUL65	X12JUL65		400000
MID1 00104	MID1 00108	4	EXAMINE OUTPUT DOCUMENTS	1.0	.	.	+	.	A07JUN65	X07JUN65		400000
MID1 00108	MID1 00109	5	DUMMY	.0	.	.	+	.	A07JUN65	X07JUN65		400000
MID2 00000	200 00202	I	* START PHASE II OUTPUT DEFIN	(00200)			+	.	X12JUL65	X12JUL65		400000
200 MID2	MID2 00202	A	ADDITIONAL OUTPUT ELEMENTS	.5	.	.	+	.	X19JUL65	X19JUL65		400000
MID2 00207	MID2 00201	9	OBTAIN PROGRAMMING ASSISTANC	.9	.	.	+	.	X26JUL65	X26JUL65		400000
MID2 00201	MID2 00210	J	PROGRAM PHASE II EXIST EQUIP	6.0	.	.	+	.	D19OCT65	D19OCT65		400000
MID2 00210	300 MID2	I	DUMMY	.0	.	.	+	.	D19OCT65	D19OCT65		400000
300 00000	MID2 00000	I	END PHASE II FLOW CHART	(00300)			+	.	D19OCT65	D19OCT65		400000
MID3 00000	300 00000	I	* START PHASE III PROGRAM	(00300)			+	.	D19OCT65	D19OCT65		400000

ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM TSMI FOR TECH SUPPORT BY ORG, 01-7.

( TSMI )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRECE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK PRMR SEC40	COMPLETION DATES		SCHMD. DATE	DEPT.
				A	M	B		EXPECTED	LATEST		
	MID3										
300	00307	K	PROGRAM PHASE III SYSTEM	6.0	.	.	.	14JAN66	14JAN66		400000
MID3	MID3										
00307	00308	L	TEST PHASE III SYSTEM	1.5	.	.	.	04FEB66	04FEB66		400000
MID3	MID3										
00308	00309	M	WRITE PROCEDURES, INSTRUCTIO	6.0	.	.	.	02MAY66	02MAY66		400000
MID3	MID3										
00309	00310	N	OBTAIN MANAGEMENT APPROVAL	1.0	.	.	.	16MAY66	16MAY66		400000
MID3	00310										
00310	301	O	IMPLEMENT PHASE III, FORMS	.	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
301	00304	V	FUND SDA EQUIPMENT	.	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
00304	00305	W	PROCURE SDA EQUIPMENT	.	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
00305	00306	W	DUMMY	.0	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
00306	00311	I	TRAIN IN MCM SYSTEM + SDA	.0	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
00311	00000	F	END SUB-TASK ASSIGNMENT	.	31.1	.	.	16MAY66	16MAY66		400000
MID4											
00000	301	I	START PHASE IV SDA FUND	(00301)			.	16MAY66	16MAY66		400000
MID2	MID2										
301	00000	I	END PHASE II IMPLEMENTATION	(00301)			.	16MAY66	16MAY66		400000
MID4	MID4										
00304	00306	X	PLAN TRAINING	.0	.	.	.	16MAY66	16MAY66		400000
MID4	MID4										
301	00000	I	END PHASE III PROGRAM	(00301)			.	16MAY66	16MAY66		400000
MID2	MID2										
00202	00203	R	LIST + CLASSIFY OUTPUT	.2	.	.	+ 1.3	X21JUN65	X09AUG65		400000
MID2	MID2										
00203	00206	C	DESIGN OUTPUT DOCUMENTS	4.5	.	.	+ 1.3	023SEP65	012OCT65		400000
MID2	MID2										
00206	00209	H	PROGRAM TSD EXIST SDA EQUIP	.5	.	.	+ 1.3	030SEP65	019OCT65		400000
MID2	MID2										
00209	00210	H	DUMMY	.0	.	.	+ 1.3	030SEP65	019OCT65		400000

## ACTIVITY TIME STATUS REPORT

PAGE 3

PROGRAM TSNI FOR TECH SUPPORT BY ORG, 01-2.

( TSNI )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRECE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M S	SLACK PRMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
M102 00206	M102 00210	I	FLOW CHART PHASE III SYSTEM	.5 . .	+ 1.3	0301SEP65 019OCT65		400000
M102 00202	M102 00204	E	ADDITIONAL INPUT ELEMENTS	.8 . .	+ 4.2	X29JUL65 020SEP65		400000
M102 00204	205 M102 00206	F	LIST + CLASSIFY INPUT	.2 . .	+ 4.2	X02AUG65 030SEP65		400000
	205 00206	G	DESIGN INPUT DOCUMENTS	.8 . .	+ 4.2	X12AUG65 012OCT65		400000
M102 00000	205 I	+	START PHASE III SDA STUDY	(00205)	+ 4.2	X02AUG65 030SEP65		400000
M104 00000	205 I	+	START PHASE IV SDA STUDY	(00205)	+ 4.2	X02AUG65 030SEP65		400000
M102 00207	M102 00207	B	DUMMY	.0 . .	+ 5.0	X21JUL65 030SEP65		400000
M102 00207	M102 00206	D	COORDINATE DOCUMENTS REVISION	.8 . .	+ 5.0	X02AUG65 012OCT65		400000
M102 00210	M102 00212	P	TEST PHASE II SYSTEM	1.5 . .	+ 5.0	09NOV65 21JAN66		400000
M102 00212	M102 00213	Q	WRITE PROCEDURES, INSTRUCTIO	6.0 . .	+ 5.0	04FEB66 18APR66		400000
M102 00213	M102 00214	R	OBTAIN MANAGEMENT APPROVAL	1.0 . .	+ 5.0	18FEB66 02MAY66		400000
M102 00214	301	S	IMPLEMENT PHASE II, FORMS ET	1.0 . .	+ 5.0	07MAR66 16MAY66		400000
M101 00106	208 M101 00000	7	DUMMY	.0 . .	+19.0	A09JUL65 08APR66		400000
	208 00000	I	END PHASE I PROGRAM	(00208)	+19.0	A09JUL65 08APR66		400000
M102 00000	208 I	+	START PHASE II PROGRAM	(00208)	+19.0	X09JUL65 08APR66		400000
	M102 208 00213	2	GLOSSARY OF TERMS	.6 . .	+19.0	X19JUL65 18APR66		400000

# ACTIVITY TIME STATUS REPORT

PAGE 4

PROGRAM TSNI FOR TECH SUPPORT BY ORG. 01-2.

( TSNI )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIMR	SECND	EXPECTE	LATEST		
	NID4											
205	00302	T	STUDY SDA APPLICATIONS	.	.	.	+20.0		X02AUG65	16MAY66		400000
NID4												
00302	301	U	JUSTIFY SDA EQUIPMENT	.	.	.	+20.0		X02AUG65	16MAY66		400000

# ACTIVITY TIME STATUS REPORT

PROGRAM TSMI FOR TECH SUPPORT BY ORG, 01-2.  
PROJECT PHASE II

( TSMI )  
( MID2 )

PAGE 1

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEVI.
				A	M	S	PRIMR	SECND	EXPECTED	LATE??		
00000	00200	I	* START PHASE II OUTPUT DEFIN	( 200)					X12JUL65	X12JUL65		400000
00200	00202	A	ADDITIONAL OUTPUT ELEMENTS	.5					X19JUL65	X19JUL65		400000
00202	00201	9	OBTAIN PROGRAMMING ASSISTANC	.5					X26JUL65	X26JUL65		400000
00201	00210	J	PROGRAM PHASE II EXIST EQUIP	6.0					D19OCT65	D19OCT65		400000
00210	00300	I	DUMMY	.0					D19OCT65	D19OCT65		400000
00300	00400	I	END PHASE II FLOW CHART	( 300)					D19OCT65	D19OCT65		400000
00301	00000	I	END PHASE II IMPLEMENTATION	( 301)					16MAY66	16MAY66		400000
00302	00203	B	LIST + CLASSIFY OUTPUT	.2				+ 1.3	X21JUL65	X09AUG65		400000
00203	00206	C	DESIGN OUTPUT DOCUMENTS	4.5				+ 1.3	D23SEP65	D12OCT65		400000
00206	00210	I	FLOW CHART PHASE III SYSTEM	.5				+ 1.3	D30SEP65	D19OCT65		400000
00206	00209	H	PROGRAM TSD FIRST SDA EQUIP	.5				+ 1.3	D30SEP65	D19OCT65		400000
00209	00210	H	DUMMY	.0				+ 1.3	D30SEP65	D19OCT65		400000
00202	00204	F	ADDITIONAL INPUT ELEMENTS	.8				+ 4.2	X29JUL65	D28SEP65		400000
00204	00205	F	LIST + CLASSIFY INPUT	.2				+ 4.2	X02AUG65	D30SEP65		400000
00205	00206	G	DESIGN INPUT DOCUMENTS	.8				+ 4.2	X12AUG65	D12OCT65		400000
00000	00205	I	* START PHASE III SCA STUDY	( 205)				+ 4.2	X02AUG65	D30SEP65		400000
00203	00207	R	DUMMY	.0				+ 5.0	X21JUL65	D30SEP65		400000
00207	00206	D	COORDINATE DOCUMENTS REVISED	.8				+ 5.0	X02AUG65	D12OCT65		400000
00210	00212	P	TEST PHASE II SYSTEM	1.5				+ 5.0	D9NOV65	21JAN66		400000
00212	00213	Q	WRITE PROCEDURES, INSTRUCTIONS	6.0				+ 5.0	D4FEB66	18APR66		400000
00213	00214	R	OBTAIN MANAGEMENT APPROVAL	1.0				+ 5.0	18FEB66	02MAY66		400000
00214	00301	S	IMPLEMENT PHASE II, FORMS ET	1.0				+ 5.0	07MAR66	16MAY66		400000
00000	00208	I	* START PHASE II PROGRAM	( 208)				+19.0	X09JUL65	08APR66		400000
00208	00213	Z	GLOSSARY OF TERMS	.6				+19.0	X19JUL65	18APR66		400000

ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TSMT FOR TECH SUPPORT BY ORG. 01-2.  
PROJECT PHASE III

( TSMT )  
( MID )

RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIM	SECD	EXPECTED	LATST		
00000	00300	I	* START PHASE III PROGRAM	(	300)				019OCT65	019OCT65		400000
00300	00307	K	PROGRAM PHASE III SYSTEM	6.0	.	.	.	.	14JAN66	14JAN66		400000
00307	00308	L	TEST PHASE III SYSTEM	1.5	.	.	.	.	04FEB66	04FEB66		400000
00308	00309	M	WRITE PROCEDURES, INSTRUCTIO	6.0	.	.	.	.	02MAY66	02MAY66		400000
00309	00310	N	OBTAIN MANAGEMENT APPROVAL	1.0	.	.	.	.	16MAY66	16MAY66		400000
00310	00301	O	IMPLEMENT PHASE III, POAMS	.	.	.	.	.	16MAY66	16MAY66		400000
00301	00300	I	END PHASE III PROGRAM	(	301)				16MAY66	16MAY66		400000

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TSM1 FOR TECH SUPPORT BY DRG: 01-2.  
PROJECT PHASE IV( TSM1 )  
( MID4 )RUN DATE- 16SEP65  
DATA DATE 16JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIM	SECD	EXPECTED	LATEST		
0000	00301	I	* START PHASE IV SDA FUND	(	301)		*	*	16MAY66	16MAY66		400000
00301	00304	V	FUND SDA EQUIPMENT	.	.	.	*	*	16MAY66	16MAY66		400000
00304	00305	W	PROCURE SDA EQUIPMENT	.	.	.	*	*	16MAY66	16MAY66		400000
00305	00306	W	DUMMY	.	.	.	*	*	16MAY66	16MAY66		400000
00306	00311	Y	TRAIN IN NEW SYSTEM + SDA	.	.	.	*	*	16MAY66	16MAY66		400000
00311	00300	F	END SUB-TASK ASSIGNMENT	.	31.1	.	*	*	16MAY66	16MAY66		400000
00304	00306	X	PLAN TRAINING	.	0	.	*	*	16MAY66	16MAY66		400000
00000	00205	I	* START PHASE IV SDA STUDY	(	205)		*	4.2	X02AUG65	D30SEP65		400000
00205	00302	T	STUDY SDA APPLICATIONS	.	.	.	*	20.0	X02AUG65	16MAY66		400000
00302	00301	U	JUSTIFY SDA EQUIPMENT	.	.	.	*	20.0	X02AUG65	16MAY66		400000



IBM PERT COST  
PROGRAM FUNCTION BAR CHART

PAGE 1

PROGRAM DESCRIPTION - TSNI FOR TECH SUPPORT BY ORG. 01-2.  
PROGRAM IDENTIFICATION - TSNI

RUN DATE - 16 SEP 65  
DATA DATE - 16 JUL 65

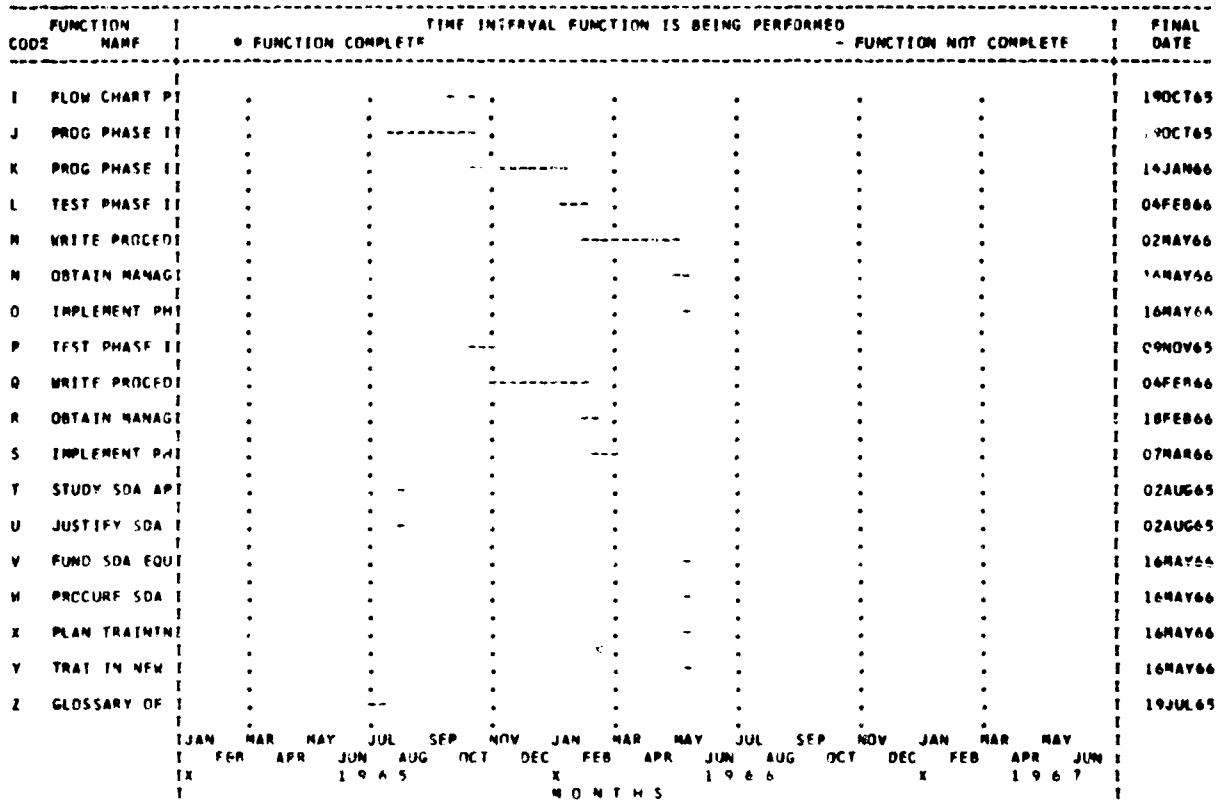
FUNCTION CODE	NAME	TIME INTERVAL FUNCTION IS BEING PERFORMED												FINAL DATE			
		• FUNCTION COMPLETE						- FUNCTION NOT COMPLETE									
0	SUB-TASK ASS	•	••••	•	•	•	•	•	•	•	•	•	•	09MAY65			
1	PROGRESS REP	•	•	•	•	•	•	•	•	•	•	•	•	10MAY65			
2	PRESENTATION	•	•	•	•	•	•	•	•	•	•	•	•	10MAY65			
3	TSNI OBJECTI	•	••	•	•	•	•	•	•	•	•	•	•	13MAY65			
4	EXAMINE OUTP	•	•••	•	•	•	•	•	•	•	•	•	•	07JUN65			
5	EXAMINE INPU	•	•••	•	•	•	•	•	•	•	•	•	•	07JUN65			
6	FLOW CHART P	•	•	•	•	•	•	•	•	•	•	•	•	07JUN65			
7	ANALYSE OUTP	•	••••	•	•	•	•	•	•	•	•	•	•	09JUL65			
8	EVALUATE PRE	•	••	•	•	•	•	•	•	•	•	•	•	12JUL65			
9	OBTAIN PROGR	•	•	•	•	•	•	•	•	•	•	•	•	26JUL65			
A	DEFINE OUTPUT	•	•	•	•	•	•	•	•	•	•	•	•	19JUL65			
B	LIST + CLASS	•	•	•	•	•	•	•	•	•	•	•	•	21JUL65			
C	DESIGN OUTPUT	•	•	•	•	•	•	•	•	•	•	•	•	23SEP65			
D	COORDINATE O	•	•	•	•	•	•	•	•	•	•	•	•	02AUG65			
E	DEFINE INPUT	•	•	•	•	•	•	•	•	•	•	•	•	29JUL65			
F	LIST + CLASS	•	•	•	•	•	•	•	•	•	•	•	•	02AUG65			
G	DESIGN INPUT	•	•	•	•	•	•	•	•	•	•	•	•	12AUG65			
H	PRG TSD EXE	•	•	•	•	•	•	•	•	•	•	•	•	30SEP65			
		JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR	MAY	JUN
		1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1967
		MONTHS															

IBM PERT COSY  
PROGRAM FUNCTION BAR CHART

PAGE 2

PROGRAM DESCRIPTION - TSMI FOR TECH SUPPORT BY ORG, 01-2.  
PROGRAM IDENTIFICATION - TSMI

RUN DATE - 15 SEP 65  
DATA DATE - 16 JUL 65



# EVENT ORIENTED DIAGRAM

PROG. TSMT FOR TECH SUPPORT BY ORG. 01-2.

LEVFL- 1

( TSMT)

DATE-16JUL65

PAGE 1

04-09-65

04-09-65

07-09-65

07-16-65

08-06-65

10-22-65

00099  
\*\* MID1\*  
\*\*EGIN T\*  
\*\*SM1 \*  
\* \* \*  
\*\*\*\*\*  
A-400000

00100  
\*\* MID1\*  
\*\*START T\*  
\*\*SM1 \*2  
\* \* \*  
\*\*\*\*\*  
A-400000

200  
\*\* \*  
\*\*END PHA\*  
\*\*SE I PR\*  
\*\*SENT S\*  
\*\*STEN \*  
\* \* \*  
\*\*\*\*\*  
A-400000

300  
\*\* \*  
\*\*END PHA\*  
\*\*SE I PR\*  
\*\*LOW CHA\*  
\* \* \*  
\*\*\*\*\*  
400000

205  
\*\* \*  
\*\*LIST \*  
\*\*CLASSIF\*  
\*\*Y INPUT\*  
\* \* \*  
\*\*\*\*\*  
4000001

208  
\*\* \*  
\*\*END PHA\*  
\*\*SE I PR\*  
\*\*GRAM \*  
\* \* \*  
\*\*\*\*\*  
A-400000

1  
:

PAGE 2

05-20-66

```

**      *
*IMPLEME*
*NT PHAS*
-DE III,*
*FORMS  *
*      *
*****
400000

```

```

301                                00311
00                                00 NTG4*
END PHA*                          END TSM*
40SE IT 10                        *1
COMPLEMEN-----*
TOTATION *                       *
10 + 5.00                        * + .
1000000000                      000000000
1 400000                        400000
L-----*

```

```

00311
** MTD4*
**END TSM*
*|      *
--*      *
*        *
*      *
*      *
*****
400000

```

[illegible]

1  
1

# ACTIVITY ORIENTED DIAGRAM

PROJ.-PHASE I	LEVEL-DETAIL ( MID1)				DATE-16JUL65	PAGE 1
04-09-65	04-09-65	05-07-65	05-14-65	05-14-65	05-14-65	
00094	00100	00101	00102	00103	00104	
*****	*****	*****	*****	*****	*****	
*BEGIN T*	*BEGIN T*	*SUB-TAS*	*PROGRES*	*FINAL P*	*DETERMI*	
*SMI *	*SMI *	*K ASSIG*	*S REPOR*	*RESENTA*	*NF TSMI*	
-----	-----	-----	-----	-----	-----	
* * *	* * *	* * *	* * *	* * *	* * *	
*****	*****	*****	*****	*****	*****	
A-400000	A-400000	A-400000	A-400000	A-400000	A-400000	

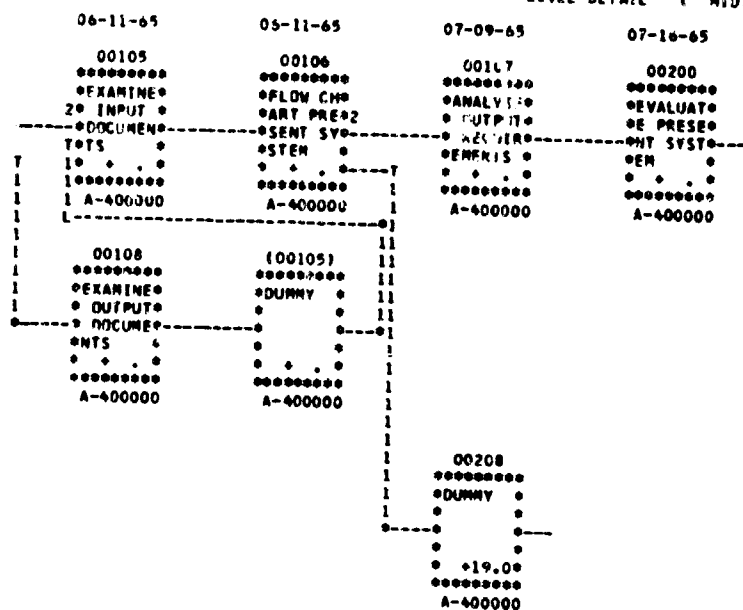
# ACTIVITY ORIENTED DIAGRAM

PROJ.-PHASE I

LEVEL-DETAIL ( MID1)

DATE-16JUL65

PAGE 2





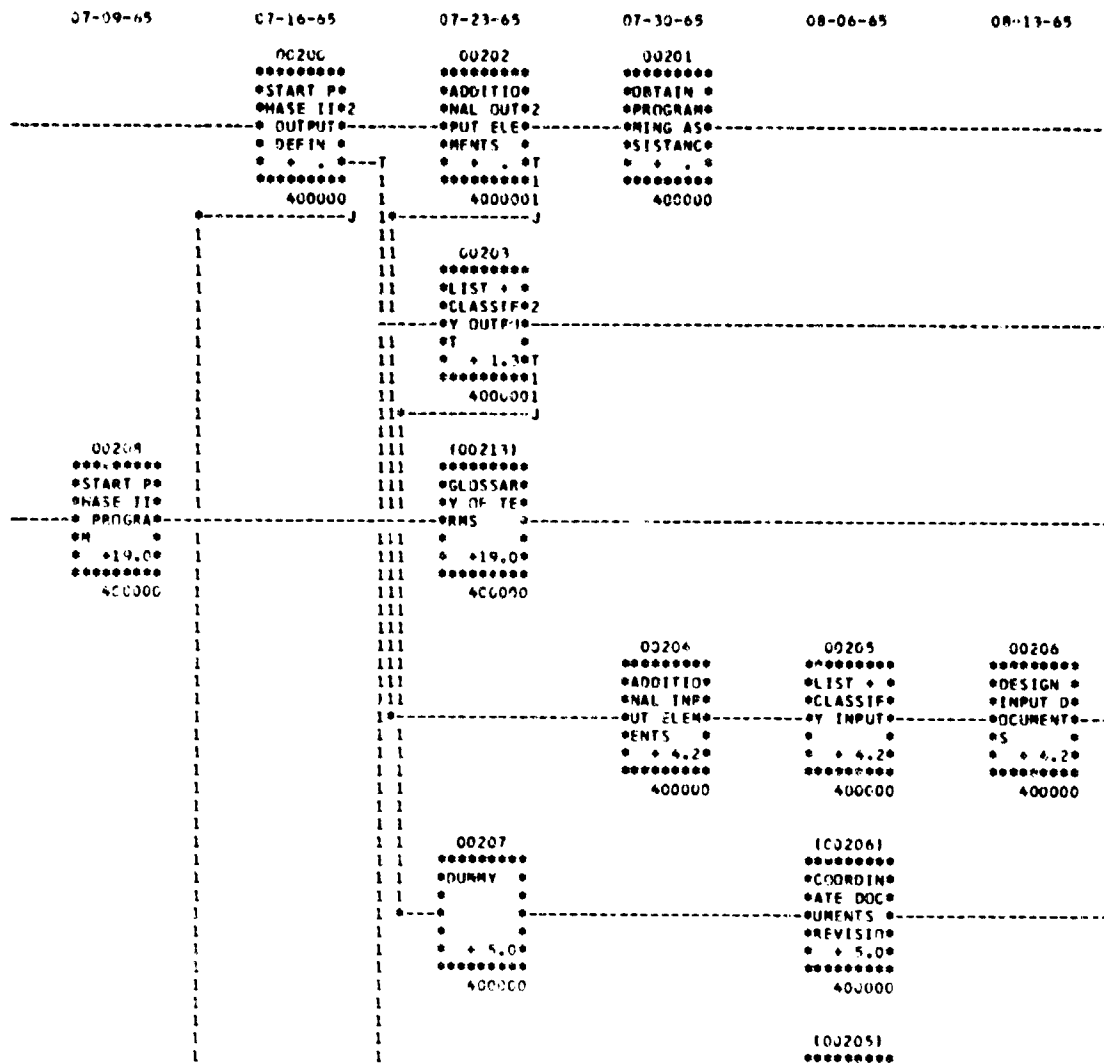
ACTIVITY ORIENTED DIAGRAM

PROJ.-PHASE II

LEVEL-DETAIL ( MID2)

DATE-16JUL65

PAGE 1

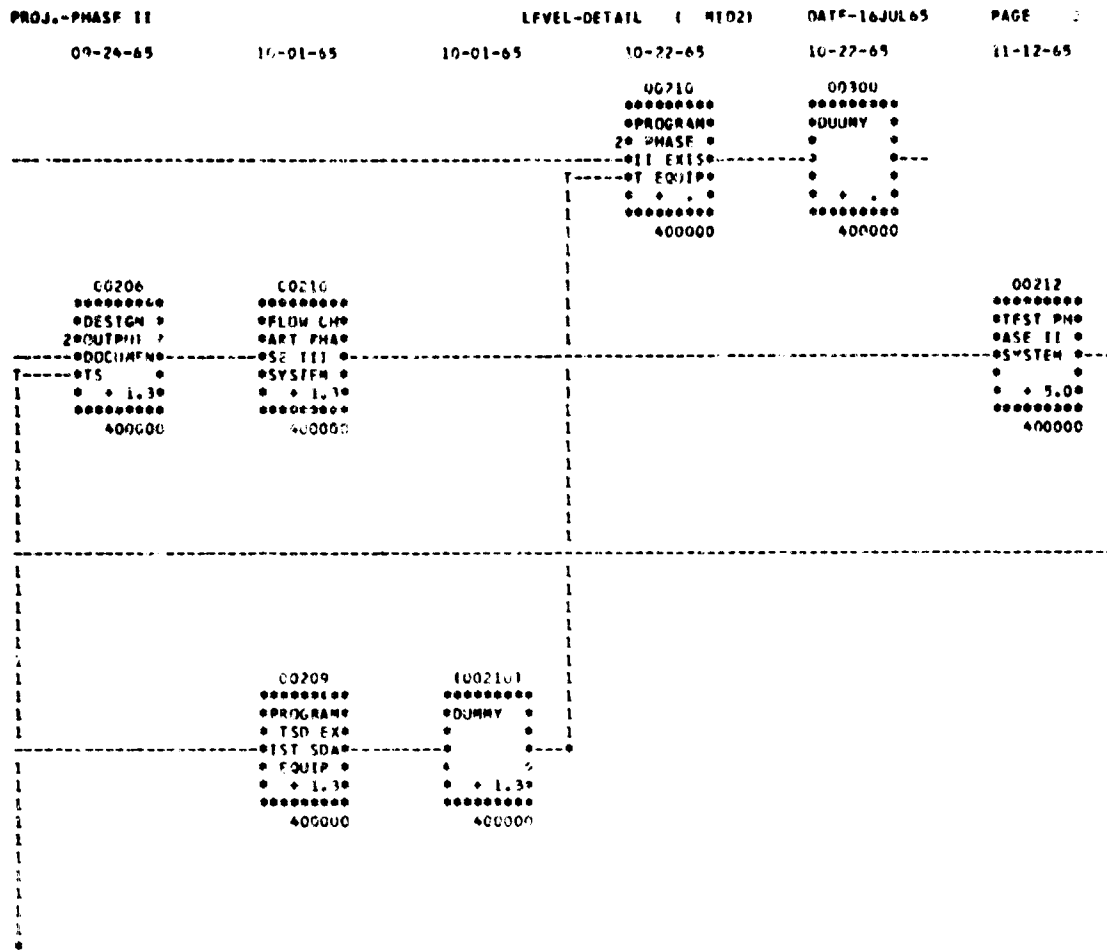


1  
1  
-----

1  
1  
-----

-----  
\*START PO  
\*HASE 11\*  
\*1 SDA S\*  
\*TUOV \*  
\* + 4.2\*  
\*  
400000

ACTIVITY ORIENTED DIAGRAM



### ACTIVITY ORIENTED DIAGRAM

**PROJ.-PHASE II**

LEVEL-DETAIL ( MID?)

DATE-16JUL69

PAGE 3

02-04-66

02-10-64

03-11-66

```

00213          00214          00301
*****
WRITE P*      *OBTAIN *      *****
ZOROCEMUR*    *MANAGE*      *IMPLEME*
ES, INSO-----ENT APP*      *NT PHAS*
T-----*RVAL *      *E II, P*
* * 9.0*      * * 9.0*
*****      *****
400000      400000      400000

```

# ACTIVITY ORIENTED DIAGRAM

PROJ.-PHASE III

LEVEL-DETAIL ( MID3)

DATE-16JUL63

PAGE 1

10-22-65	01-14-66	02-04-66	05-06-66	05-20-66	05-20-66
00300	00307	00308	00309	00310	00301
*****	*****	*****	*****	*****	*****
*START P*	*PROGRAM*	*TEST PH*	*WRITE P*	*OBTAIN *	*IMPLEM*
*PHASE II*	* PHASE *	*ASE III*	*PROCEDUR*	*MANAGER*	*NT PHAS*
-----	-----	-----	-----	-----	-----
*I PROG*	*III SYS*	* SYSTEM*	*CS, INS*	*ENT APP*	*E III, *
*AM *	*FM *	* *	*TRUCTIO*	*ROVAL *	*FORMS *
* . . *	* . . *	* . . *	* . . *	* . . *	* . . *
*****	*****	*****	*****	*****	*****
400000	400000	400000	400000	400000	400000

# ACTIVITY ORIENTED DIAGRAM

PROJ.-PHASE IV

LEVEL-DETAIL ( MID4)

DATE-16JUL65

PAGE 1

08-06-65

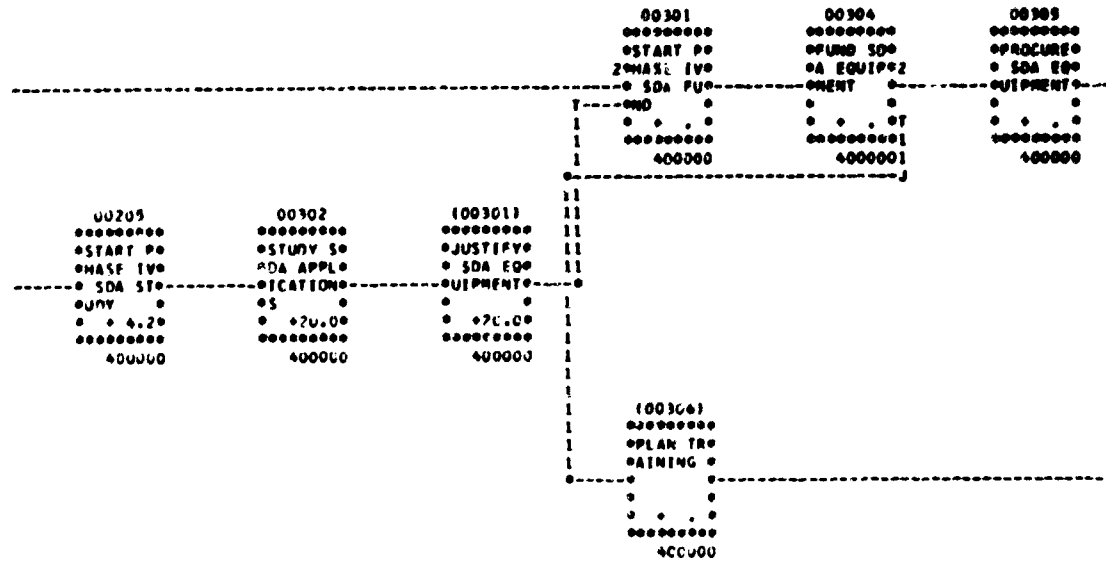
08-06-65

08-06-65

09-20-66

09-20-66

09-20-66





## APPENDIX C

### HYDRA 5 (HYD 5)

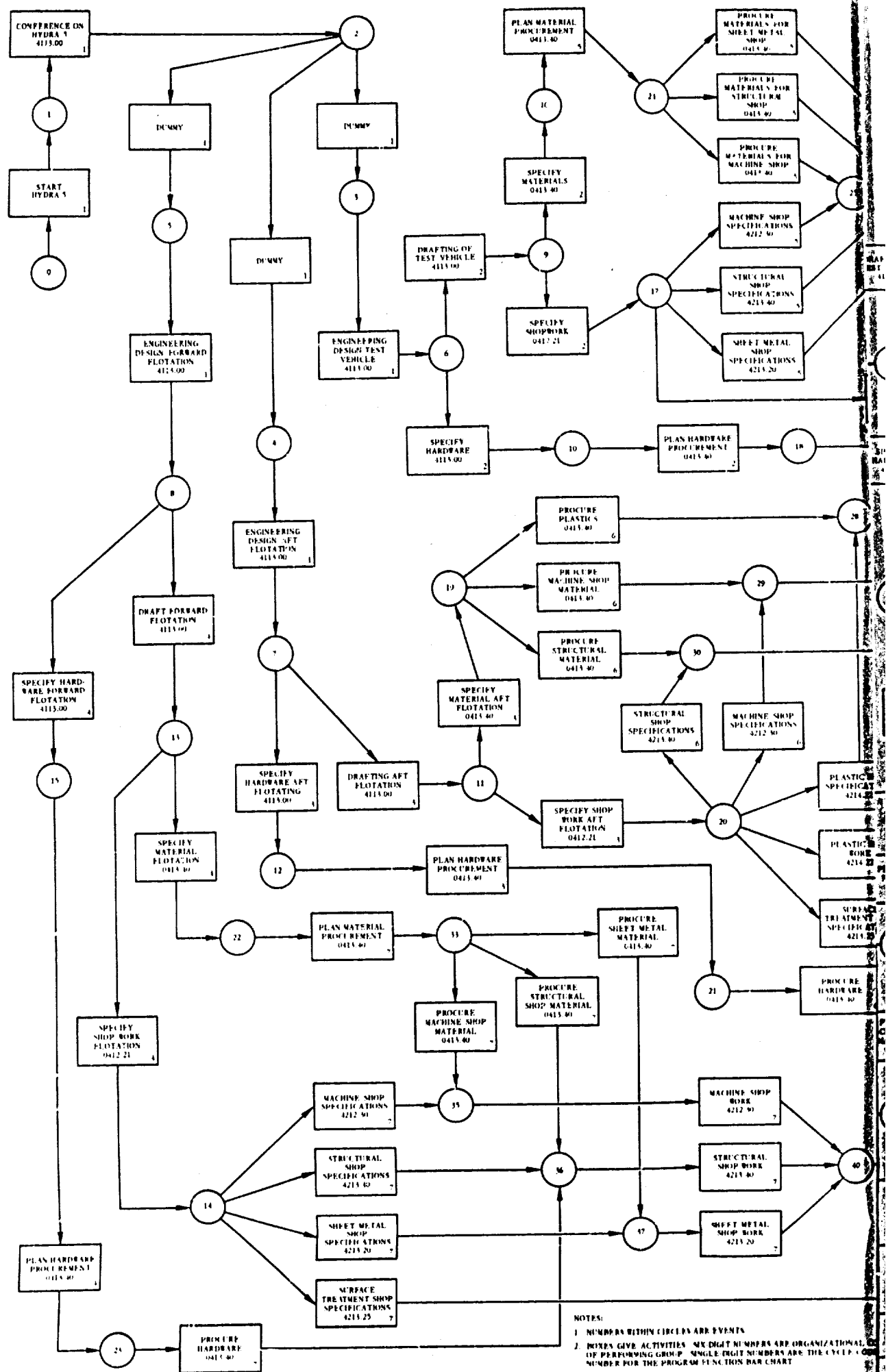
#### INTRODUCTION

Figure 3 is the manual network. The numbers in circles are events. The boxes represent activities with title, performing group, and either working days to complete and man-days of effort or actual completion date. The numbers within the boxes are the cycle code numbers for the program function bar chart. The manually prepared network is useful for comparison.

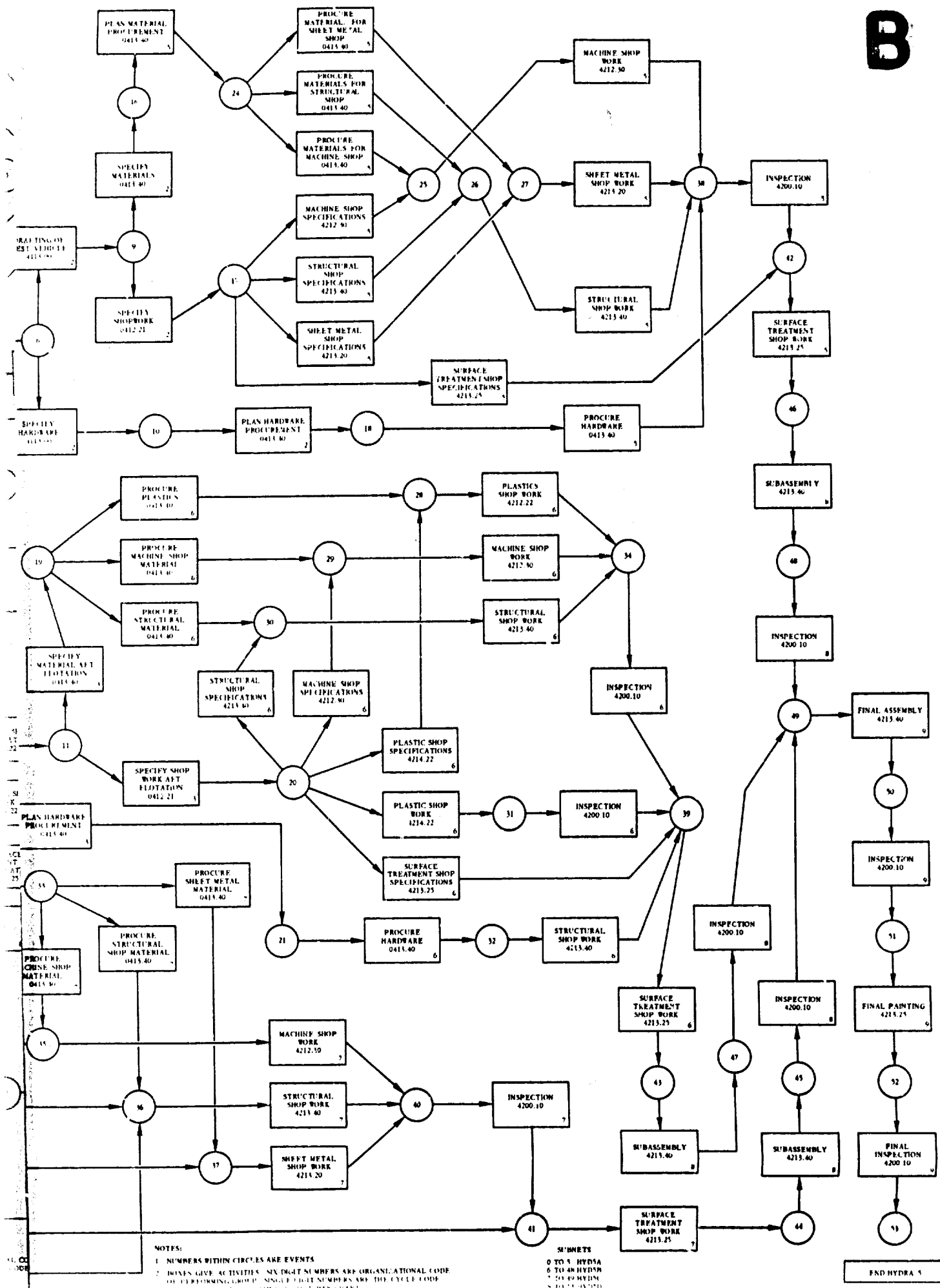
Next follow the computer-printed activity time status reports most useful for highlighting activities which are critical to or actually endangering the completion date for the activity and the project, which activities can safely be delayed and by how much. The program function bar chart displays graphically the progress of large blocks of the network designated by the cycle code. The updated network, as output by the computer, is next. In the network block is the description of the event or activity and its slack. Dates of the runs are at the top of the sheet. The number above the box is the successor event. The number underneath the box is the code of the performing organization preceded by an A if the activity is completed.



# A



# B



ACTIVITY TIME STATUS REPORT

PROGRAM HYDS FOR TECH SUPPORT BY ORG. C1-2.

( HYDS )

PAGE 1

RUN DATE- 23JUN65  
DATA DATE 06APR65

LEVEL 1

BY PRIMARY SLACK

PRFCE EVNT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SECD	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
HD5A 00000	HD5A 00001	5	START OF HYDRA 5		+ .	A24APR63 X24APR63		411300
HD5A 00001	6	1	ENGINEER DESIGN TEST VEHICLE	49.1	+ .	A31MAR65 X31MAR65		411300
6	HD5A 00000	1	TEST VEHICLE DESIGN	(00006)	+ .	A31MAR65 X31MAR65		411300
HD5F 00000	49	1	SUBASSEMBLIES	(00049)	+ .	030JUN65 030JUN65		420010
49	HD5F 00053	9	FINAL INSPECTION	1.7	+ .	026JUL65 026JUL65		420010
HD5F 00053	HD5F 00000	F	END HYDRA 5		+ .	026JUL65 026JUL65		420010
HD5A 00001	7	1	ENG. DESIGN AFT FLOTATION	48.8	+ 1.8	A26MAR65 X21APR65		411300
7	HD5A 00000	1	AFT FLOTATION DESIGN	(00007)	+ 1.8	A26MAR65 X21APR65		411300
HD5A 00001	8	1	ENG. DESIGN FWD FLOTATION	35.3	+14.6	A14SEP64 X12APR65		411300
8	HD5A 00000	1	FORWARD FLOTATION DESIGN	(00008)	+14.6	A14SEP64 X12APR65		411300

ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM HYDS FOR TECH SUPPORT BY ORG. 01-2.  
PROJECT INITIAL ENGINEERING

( HYDS )  
( HD5A )

RUN DATE- 23JUN65  
DATA DATE 06APR65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	R	PRMR	SECND	EXPECTED	LATEST		
00000	00001	S	START WORK	.	.	.	.	.	424APR63	X24APR63		411300
00001	00002	1	CONFERENCE ON HYDRA S	1	.	.	.	.	425APR63	X25APR63		411300
00002	00003	1	DUMMY	0	.	.	.	.	425APR63	X25APR63		
00003	00006	1	ENGINEER DESIGN TEST VEHICLE	49	0	.	.	.	431MAR65	X31MAR65		411300
00006	00000	I	TEST VEHICLE DESIGN	(	6)	.	.	.	431MAR65	X31MAR65		411300
00002	00004	1	DUMMY	0	.	.	.	1.8	425APR63	X.1MAY63		
00004	00007	1	ENG. DESIGN AFT FLOTATION	48	7	.	.	1.8	426MAR65	X21APR65		411300
00007	00000	I	AFT FLOTATION DESIGN	(	7)	.	.	1.8	426MAR65	X21APR65		411300
00002	00005	1	DUMMY	0	.	.	.	14.6	425APR63	X26NOV63		
00005	00008	1	ENG. DESIGN FWD FLOTATION	45	2	.	.	14.6	414SEP64	X12APR65		411300
00008	00000	I	FORWARD FLOTATION DESIGN	(	8)	.	.	14.6	414SEP64	X12APR65		411300

ACTIVITY TIME STATUS REPORT

PROGRAM HYDS FOR TECH SUPPORT BY DRG, 01-2.  
PROJECT TEST VEHICLE CONSTRUCTION

( HYDS )  
( HDSB )

PAGE 1

RUN DATE- 21JUN65  
DATA DATE 06APR65

LEVEL DETAIL

BY PRIMARY SLACK

PRCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES				SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	R	PRMR	SECD		EXPECTED	LATEST		
00000	00006	1	TEST VEHICLE DESIGN	( 6 )						A31MAR65	X31MAR65		411300
00006	00009	2	DRAFTING TEST VEHICLE	.8						A12APR65	X12APR65		411300
00009	00016	2	SPECIFY MATERIAL TEST VEHICLE	.3						X15APR65	X15APR65		041340
00016	00024	5	PLAN MATERIAL PROCUREMENT	1.0						X29APR65	X29APR65		041340
00024	00027	5	PROCURE SHEET METAL TEST VEHICLE	1.5						X20MAY65	X20MAY65		041340
00027	00030	5	SHEET METAL WORK TEST VEHICLE	1.0						X04JUN65	X04JUN65		421320
00030	00042	5	QUALITY CONTROL INSPECTION	.1						X07JUN65	X07JUN65		420010
00042	00046	5	SURFACE TREATMENT TEST VEHICLE	.5						X14JUN65	X14JUN65		421325
00046	00048	8	SUBASSEMBLY TEST VEHICLE	1.0						X28JUN65	X28JUN65		421340
00048	00049	8	INSPECTION TEST VEHICLE	.2						X30JUN65	X30JUN65		420010
00049	00000	1	TEST VEHICLE SUBASSEMBLY	( 49 )						X30JUN65	X30JUN65		420010
00024	00025	5	PROCURE MACH MAT TEST VEHICLE	1.5						X20MAY65	X20MAY65		041340
00025	00030	5	MACH SHOP WORK TEST VEHICLE	1.0						X04JUN65	X04JUN65		421230
00024	00026	5	PROCURE STRU MAT TEST VEHICLE	1.5						X20MAY65	X27MAY65		041340
00026	00030	5	STRUCTURE WORK TEST VEHICLE	.5						X27MAY65	X04JUN65		421340
00009	00017	2	SPECIFY SHOP WORK TEST VEHICLE	1.0						X26APR65	X06MAY65		041221
00017	00027	5	SHEET METAL INSTRUCTION	1.0						X10MAY65	X20MAY65		421320
00017	00025	5	MACHINE WORK INSTRUCTION	1.0						X10MAY65	X20MAY65		421230
00017	00026	5	STRUCTURAL WORK INSTRUCTION	1.0						X10MAY65	X27MAY65		421340
00006	00010	2	SPECIFY HARDWARE TEST VEHICLE	.3						X05APR65	X29APR65		411300
00010	00018	2	PLAN HARDWARE PROCUREMENT	1.0						X19APR65	X13MAY65		041340
00018	00030	5	PROCURE HARDWARE TEST VEHICLE	1.5						X10MAY65	X04JUN65		041340
00017	00042	5	SURFACE TREATMENT SHOP INST	.5						X03MAY65	X07JUN65		421325

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM HYDS FOR TECH SUPPORT BY ORG. 01-2.  
PROJECT AFT FLOTATION CONSTRUCTION

( HYDS )  
( HDSC )

RUN DATE- 23JUN65  
DATA DATE 06APR65

BY PRIMARY SLACK

LEVEL DETAIL

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M S	SLACK PRIMR SECND	COMPLETION DATES EXPCTED LATEST	SCHED. DATE	DEPT.
00049	00000	1	AFT FLOTATION SUBASSEMBLY	( 40 )	0	030JUN65 030JUN65		420010
00000	00007	1	AFT FLOTATION DESIGN	( 7 )	0 1.0	A26MAR65 X21APR65		411300
00007	00011	3	DRAFTING AFT FLOTATION	0.3	0 1.0	A05APR65 X29APR65		411300
00011	00020	3	SPECIFY SHOP WORK AFT FLOT	1.0	0 1.0	X19APR65 X13MAY65		041221
00020	00029	6	MACH SHOP INST AFT FLOTATION	1.0	0 1.0	X03MAY65 X27MAY65		421230
00029	00034	6	MACHINE SHOP WORK AFT FLOTA	1.0	0 1.0	X17MAY65 X11JUN65		421230
00034	00039	6	INSPECTION AFT FLOTATION	0.1	0 1.0	X18MAY65 X14JUN65		420010
00039	00043	6	SURFACE TREATMENT AFT FLOTA	0.5	0 1.0	X25MAY65 X21JUN65		421325
00043	00047	8	SUBASSEMBLY AFT FLOTATION	0.5	0 1.0	X02JUN65 028JUN65		421340
00047	00049	8	INSPECTION AFT FLOTATION	0.2	0 1.0	X04JUN65 030JUN65		420010
00020	00030	6	STRUCTURAL SHOP INST AFT FLOT	1.0	0 1.0	X03MAY65 X27MAY65		421340
00030	00034	6	STRUCTURAL SHOP WORK AFT FLOT	1.0	0 1.0	X17MAY65 X11JUN65		421340
00011	00019	3	SPECIFY MATERIAL AFT FLOTATI	0.3	0 2.0	X08APR65 X06MAY65		041340
00019	00030	6	PROCURE STRUC MAT AFT FLOTA	1.5	0 2.0	X29APR65 X27MAY65		041340
00019	00029	6	PROCURE MACH MAT AFT FLOTA	1.5	0 2.0	X29APR65 X27MAY65		041340
00020	00028	6	PLASTIC SHOP INST AFT FLOTA	1.0	0 2.0	X03MAY65 X01JUN65		421422
00028	00034	6	PLASTIC SHOP WORK AFT FLOTA	0.8	0 2.0	X17MAY65 X11JUN65		421422
00019	00028	6	PROCURE PLASTICS AFT FLOTA	1.5	0 2.2	X29APR65 X01JUN65		041340
00007	00012	3	SPECIFY HARDWARE AFT FLOTA	0.3	0 2.0	X31MAR65 X06MAY65		411300
00012	00021	3	PLAN HARDWARE PROCUREMENT AF	1.0	0 2.0	X14APR65 X20MAY65		041340
00021	00032	6	PROCURE HARDWARE AFT FLOTA	1.5	0 2.0	X05MAY65 X11JUN65		041340
00032	00034	6	STRUCTURAL SHOP WORK AFT FLOT	0.0	0 2.0	X05MAY65 X11JUN65		421340
00020	00031	6	SHOP WORK PLASTIC	1.0	0 2.0	X03MAY65 X11JUN65		421422
00031	00039	6	INSPECTION	0.1	0 2.0	X04MAY65 X14JUN65		420010
00020	00039	6	SPECIFY SURFACE TREAT INST	0.5	0 3.4	X26APR65 X14JUN65		421325

# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM HYDS FOR TECH SUPPORT BY DFG, 01-2.  
PROJECT FWD FLOTATION CONSTRUCTION

( HYDS )  
( M050 )

RUN DATE- 23JUN65  
DATA DATE 06APR65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M S	SLACK PRIMR SECNO	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00049	00000	I	FWD FLOTATION SUBASSEMBLY	1 491	0	030JUN65 030JUN65		420010
00000	00000	I	FORWARD FLOTATION DESIGN	1 491	0	030JUN65 030JUN65		420010
00008	00013	4	DRAFT FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00013	00022	4	SPECIFY MATERIAL FWD FLOTA	1 491	0	030JUN65 030JUN65		420010
00022	00033	7	PLAN MAT PROCUREMENT FWD FLO	1 491	0	030JUN65 030JUN65		420010
00033	00035	7	PROCURE MACH MAT FWD FLOTA	1 491	0	030JUN65 030JUN65		420010
00035	00340	7	MACH SHOPWORK FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00040	00041	7	INSPECTION FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00041	00044	7	SURFACE TREATMENT FWD FLTAT	1 491	0	030JUN65 030JUN65		420010
00044	00045	8	SUBASSEMBLY FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00045	00049	8	INSPECTION FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00008	00015	4	SPECIFY HARDWARE FWD FLOTA	1 491	0	030JUN65 030JUN65		420010
00015	00023	4	PLAN HARDWARE PROCUREMENT	1 491	0	030JUN65 030JUN65		420010
00023	00036	7	PROCUREMENT HARDWARE FWD FLO	1 491	0	030JUN65 030JUN65		420010
00036	00040	7	STRUCTURAL SHOP WORK FWD FLO	1 491	0	030JUN65 030JUN65		420010
00037	00036	7	PROCURE STRURAL MAT FWD FLOT	1 491	0	030JUN65 030JUN65		420010
00037	00037	7	PROCURE SHEET METAL MATERIAL	1 491	0	030JUN65 030JUN65		420010
00037	00040	7	SHEET METAL SHOP WORK FWD FL	1 491	0	030JUN65 030JUN65		420010
00013	00014	4	SPECIFY SHOP WORK FWD FLOTA	1 491	0	030JUN65 030JUN65		420010
00014	00036	7	STRUCTURAL SHOP INST FWD FLOT	1 491	0	030JUN65 030JUN65		420010
00014	00035	7	MACH SHOP INST FWD FLOTATION	1 491	0	030JUN65 030JUN65		420010
00014	00037	7	SHEET METAL SHOP INST	1 491	0	030JUN65 030JUN65		420010
00014	00041	7	SURFACE TREATMENT SHOP INST	1 491	0	030JUN65 030JUN65		420010

ACTIVITY TIME STATUS REPORT

PAGE

PROGRAM HYDS FIR TECH SUPPORT BY OXG, 01-2,  
PROJECT HYDRA 5 FINAL ASSEMBLY

( HYDA )  
( MOSE )

RUN DATE- 23JUN65  
DATA DATE 06APR65

LEVEL DETAIL

BY PRIMARY SLACK

PREL EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.	
				A	M	H	PRIM	SECD	EXPECTED	LATEST			
00000	00049	I	SUBASSEMBLIES	(	4	01	0	0	730	JUN65	010	JUN65	420010
00049	00150	9	FINAL ASSEMBLY HYDRA 5	0.4	0	0	0	0	007	JUL65	007	JUL65	421340
00050	00051	9	INSPECTION HYDRA 5	0.2	0	0	0	0	009	JUL65	009	JUL65	420010
00051	00052	9	FINAL PAINTING HYDRA 5	1.0	0	0	0	0	023	JUL65	023	JUL65	421325
00052	00053	9	FINAL INSPECTING HYDRA 5	0.1	0	0	0	0	026	JUL65	026	JUL65	420010
00053	00000	E	END HYDRA 5	0	0	0	0	0	028	JUL65	028	JUL65	420010



PAGE 1

RUN DATE - 23 JUN 69  
DATA DATE - 06 APR 63

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**PROJ.-INITIAL ENGINEERING**

LEVEL-DETAIL (H05A)

DATE-06APR45

PAGE 1

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PROJ.-TEST VEHICLE CONSTRUCTION

LEVEL-DETAIL (HDSB)

DATE-06APR69

PAGE 1

04-02-65 04-09-65

14-16-55

44-16-65

04-23-65

04-30-55

00006  
\*\*\*\*\*  
\*TEST VEO  
\*HICLE D02  
-DESIGN \*-

00004  
\*\*\*\*\*  
\*DRAFTING\*  
\*G TEST \*2

00016  
\*\*\*\*\*  
\*SPECIFY\*  
\*MATERIO\*

00024  
\*\*\*\*\*  
\*PLAN NA\*  
\*TERIAL \*3

\* \* . \* - - - T  
 \* \* \* \* \* 1  
 A-411300 1

\* \* . 0- - - Y  
 \*\*\*\*\*  
 A-411300

041340

041340

```

1      00010
1      *
1      *SPECIFY*
1      *HARDWA*
0-----*RE TEST*
          *VEHICLE*
          * + 1.8*
          *
          411300

```

00018  
\*\*\*\*\*  
PLAN HAS  
ORDWARE \*  
-PROCURE-  
MENT \*  
\* \* 1.8\*  
\*\*\*\*\*  
041440

00017  
\*\*\*\*\*  
\*SPECIFY\*  
\* SHIP W-A  
-WORK TEST-  
\*T VEHIC\*  
\* + , 9\*-  
\*\*\*\*\*  
041221



1			
1		•MACHINE•	11
1		• WORK 1•	11
1	-----	•INSTRUCT•	01
1		•ION •	1
1		• • 1.5•	1
1		••••••••	1
1		421230	1
1			1
1		(00026)	1
1		••••••••	1
1		•STRUCTU•	1
1		•RAL WNR•	1
1	-----	•K INSTR•	•
1		•ACTION •	•
1		• • 1.3•	•
1		••••••••	•
1		421340	•
1			•
1		(00042)	•
1		••••••••	•
1		•SURFACE•	•
1		• TREAT•	•
1	-----	•ENT SH•	•
1		• INST •	•
1		• • 2.4•	•
1		••••••~•	•
1		42132•	•

ACTIVITY ORIENTED DIAGRAM

PROJ.-TEST VEHICLE CONSTRUCTION

LEVEL-DETAIL ( H05B)

DATE-06APR65

PAGE 3

06-18-65	07-02-65	07-02-65
00046	00048	00049
*****	*****	*****
*SURFACE*	*SUBASSE*	*INSPECT*
*TREATM*	*MBLY TE*	*ION TES*
-----*ENTY TES*	-----*ST VEH*	-----*T VEHIC*
*T VEHIC*	*CLE *	*LE *
* * *	* * *	* * *
*****	*****	*****
421325	421340	420010

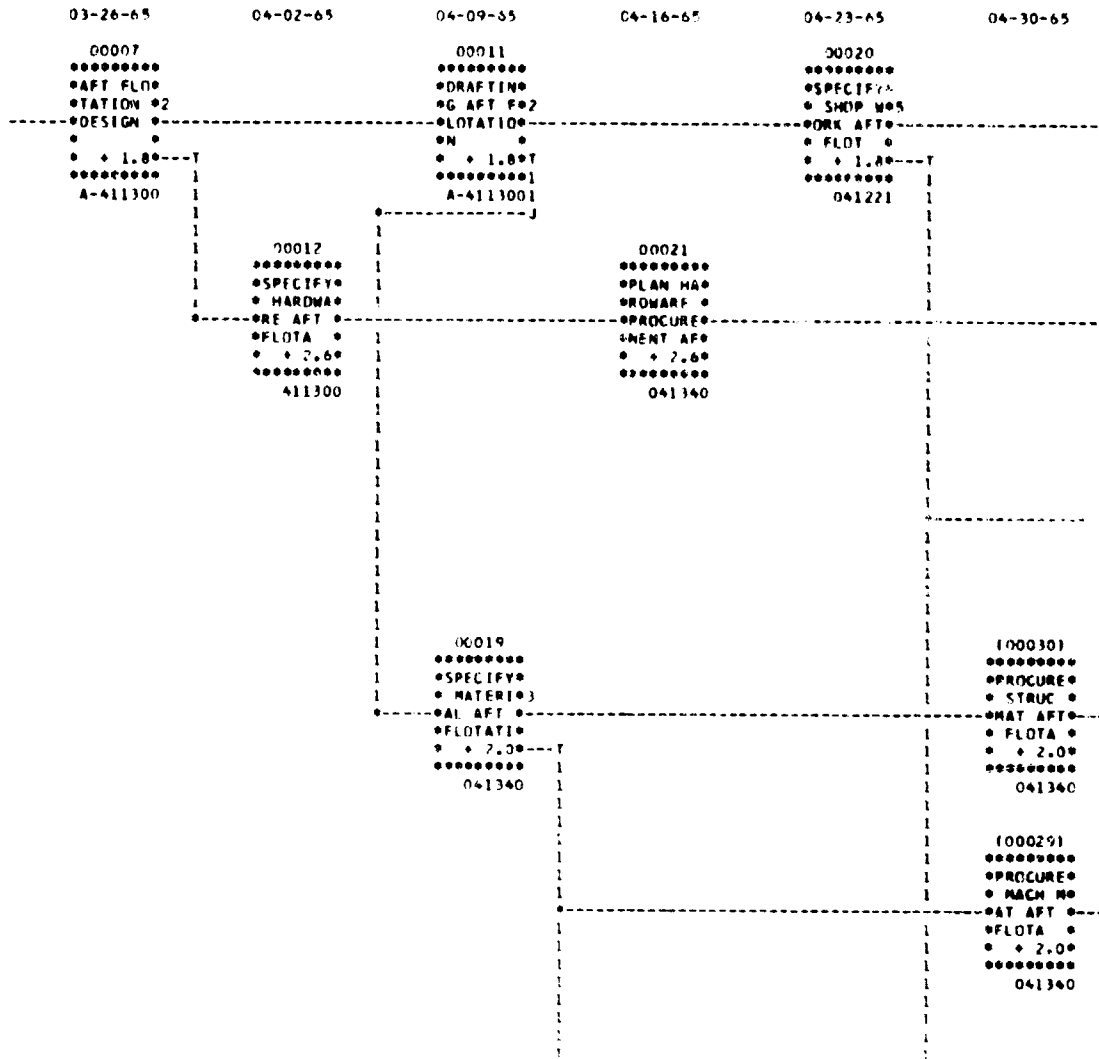
# ACTIVITY ORIENTED DIAGRAM

PROJ.-AFT FLOTATION CONSTRUCTION

LEVEL-DETAIL ( MISC)

DATE-06APR65

PAGE 1



(00029)

\*\*\*\*\*

•PROCURE•

• PLASTI•

•CS APT•

•FIDTA•

• • 2.2•

\*\*\*\*\*

041340

(00039)

\*\*\*\*\*

•SPECIFY•

• SURFAC•

• TREAT•

• INST •

• • 3.4•

\*\*\*\*\*

421325







ACTIVITY ORIENTED DIAGRAM

PROJ.-AFT FLUTATION CONSTRUCTION

LEVEL-DETAIL ( MOSC)

DATE-06APR65

PAGE 3

76-04-65

06-04-65

00047

00049

\*\*\*\*\*

\*\*\*\*\*

\*SUBASSE\*

\*INSPECT\*

\*MBLY AF\*

\*ION AFT\*

-----\*T FLUTAT\*-----

\*TIN \*

\*ION \*

\* 1.8\*

\* 1.8\*

\*\*\*\*\*

\*\*\*\*\*

421140

420010

PAGE 1

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PROJ.-FWD FLOTATION CONSTRUCTION

LEVEL-DETAIL ( HD50)

DATE-06APR65

PAGE 2

10-23-64	10-30-64	11-06-64	11-13-64	11-17-64	11-20-64
	00035 ***** *PROCURE*		00040 ***** *MACH SH*	00041 ***** *INSPECT*	00044 ***** *SURFACE*
	2* MACH M*		3*OPWORK *	2*ION FWD*	* TREATM*
	-*AT FMD *		-*FMD FLO*	-* FLOTAT*	-*ENT FMD*
	T---*FLQIA *		T---*TATION *	T---*TION *	* FLQTAT*
	1 * +14.6*		1 * +14.6*	1 * +14.6*	* +14.6*
	1 *****		1 *****	1 *****	*****
	1 041340		1 421230	1 420010	1 421329
	1		1	1	
	1		1	1	
	1	(00040)	1	1	
00036	1	*****	1	1	
*****	1	*STRUCTU*	1	1	
*PROCURE*	1	*AL SHD*	1	1	
3*MET N*	1	*P WORK *	1	1	
-*NAME *		-*FMD FLO*	1	1	
T*FMD FLO*	1	* +15.1*	1	1	
1* +15.1*	1	*****	1	1	
1 *****	1	421340	1	1	
1 041340	1		1	1	
1	1		1	1	
1	1		1	1	
(00036)	1		1	1	
*****	1		1	1	
*STRUCTU*	1		1	1	
*AL SHD*	1		1	1	
-*INST F*	1		1	1	
*MD FLOT*	1		1	1	
* +15.4*	1		1	1	
*****	1		1	1	
421340	1		1	1	
1	1		1	1	
1	1		1	1	
(00036)	1		1	1	
*****	1		1	1	
*PROCURE*	1		1	1	
*STRUM*	1		1	1	
-*L MAT F*	1		1	1	
*MD FLOT*	1		1	1	
* +15.1*	1		1	1	
*****	1		1	1	
041340	1		1	1	
1	1		1	1	
1	1		1	1	
00037	1	(00040)	1	1	
*****	1	*:*****	1	1	
*PRNCUR*	1	*SHEET M*	1	1	
2* SHEET *	1	*ETAL SH*	1	1	
-*METAL M*		-*P WORK *	1	1	
T*ATERIAL*	1	* FMD FLO*	1	1	
1* +15.1*	1	* <15.1*	1	1	
1 *****	1	*****	1	1	
1 041340	1	421320	1	1	
1	1		1	1	
1	1		1	1	
(00035)	1		1	1	

```

00000000 11
00000000 11
00000000 11
-----0 FWD FILE-----0
ROTATION# 1
0 #15,49 1
00000000 1
421730 1
1
1
1
1000771 1
00000000 1
SHEET NO 1
OFFICE NO 1
-----0 OP INSTE-----0
0 0
0 #15,49 1
00000000 1
421730

```

ACTIVITY ORIENTED DIAGRAM

PROJ.-FMD PLTATION CONSTRUCTION

LEVEL-DETAIL ( MOSO)

DATE-06APR65

PAGE 3

12-04-64	12-04-64
00045	00049
*****	*****
*SUBASE*	*INSPEC*
*BLY FWD*	*ION FWD*
-----* FLOTAT*-----	-----* FLOTAT*-----
*ION *	*ION *
* +14.6*	* +14.6*
*****	*****
421340	420010





## APPENDIX D

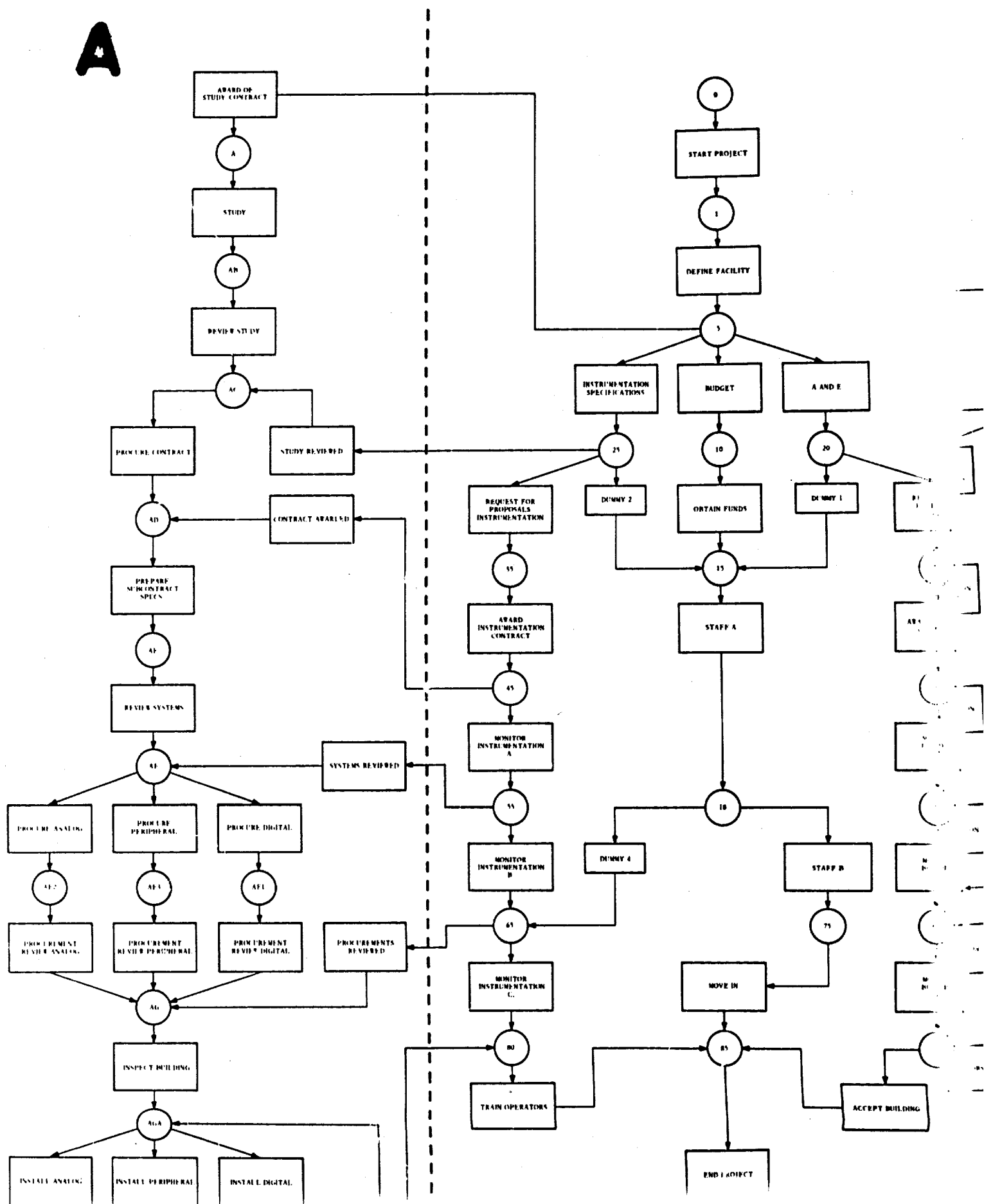
### SIMULATION LABORATORY (SIML)

#### INTRODUCTION

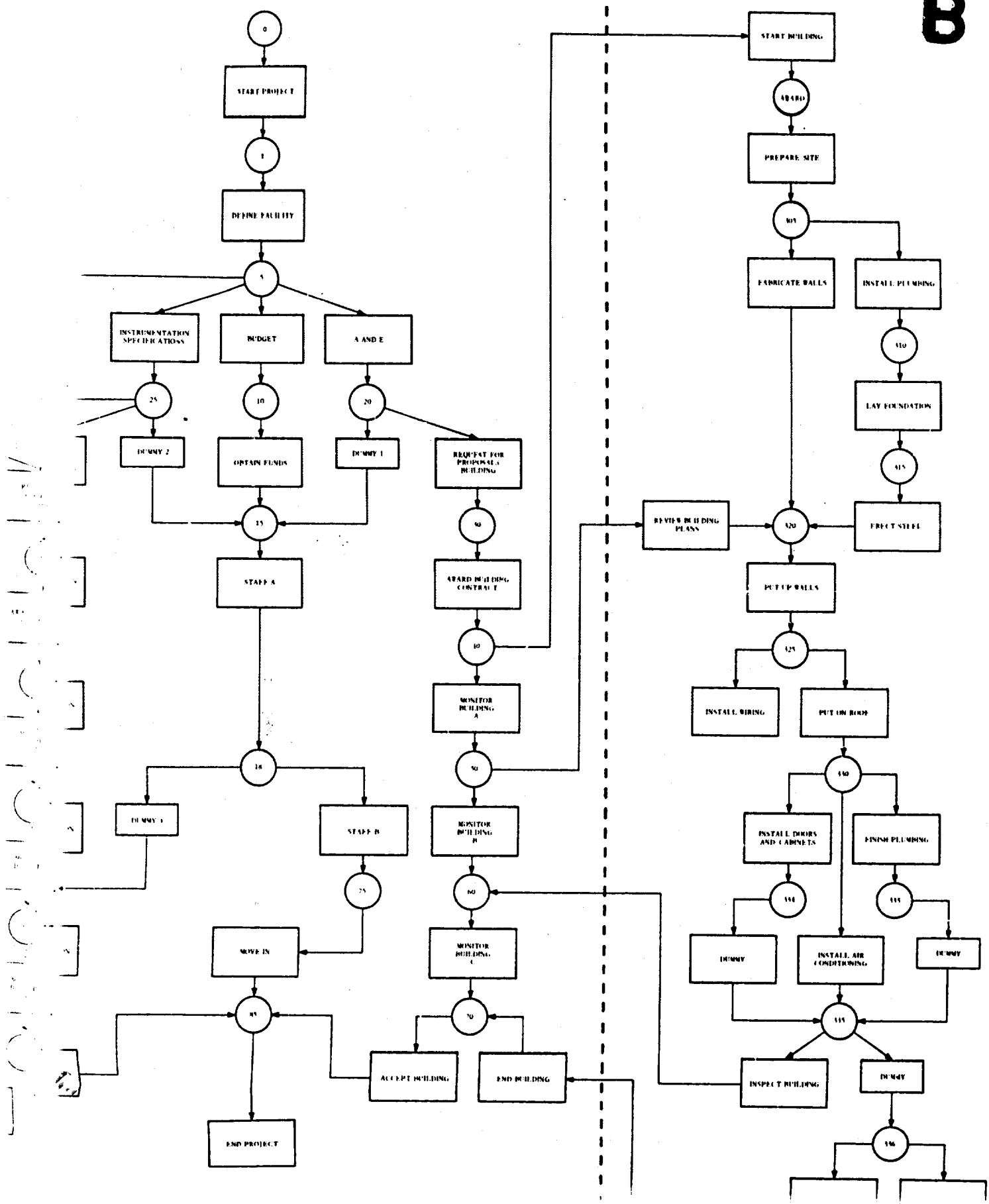
Figure 4 is the manual network. The numbers in circles are events. The boxes represent activities with title, performing group, and either working days to complete and man-days of effort or actual completion date. The numbers within the boxes are the cycle code numbers for the program function bar chart. The manually prepared network is useful for comparison.

Next follow the computer-printed activity time status reports most useful for highlighting activities which are critical to or actually endangering the completion date for the activity and the project, which activities can safely be delayed and by how much. The program function bar chart displays graphically the progress of large blocks of the network designated by the cycle code. The updated network, as output by the computer, is next. In the network block is the description of the event or activity and its slack. Dates of the runs are at the top of the sheet. The number above the box is the successor event. The number underneath the box is the code of the performing organization preceded by an A if the activity is completed.

**A**



B





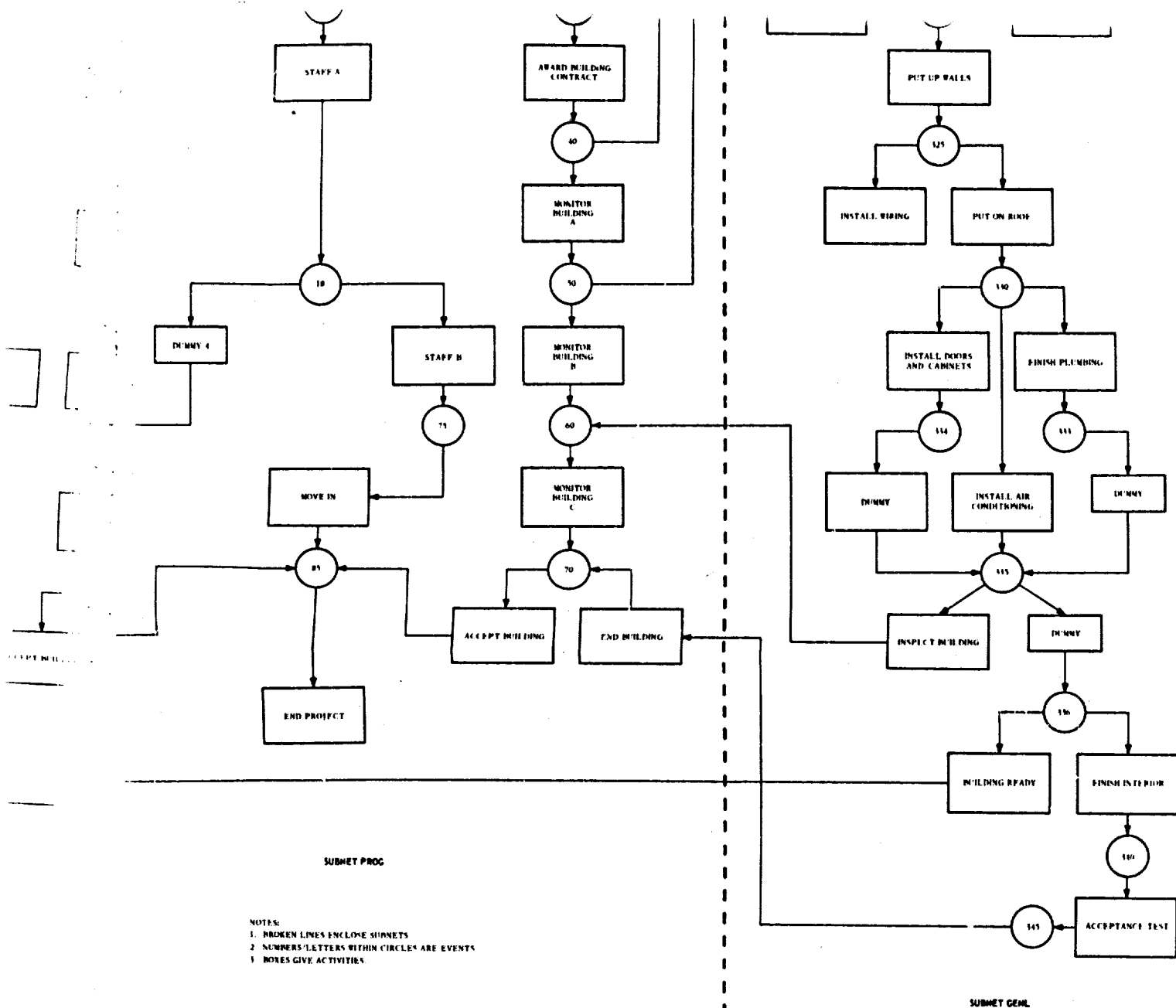


Figure 4. SIML Network.

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM AUTO + INSTRUMENT A SIMULATION LAB. (SIML)

RUN DATE- 00APR65  
DATA DATE 01JUL65

LEVEL 1

BY PRIMARY SLACK

PROJ EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
PROJ 00000	PROJ 00001	S	START PROJ		+ .	01JUL65 01JUL65		
PROJ 00001	INT01 PROJ	C	DEFINE FACILITY	3.0	+ .	09OCT65 09OCT65		
INT01 00000	PROJ 00001	I	START INSTRUMENTATION	(00000)	+ .	09OCT65 09OCT65		
INST 00000	INT01 I	+	AWARD OF STUDY CONTRACT	(100000)	+ .	09OCT65 09OCT65		
INT01 00000	INT02 PROJ	+	INST SPECS	6.0	+ .	13APR66 13APR66		
INT02 00000	PROJ 00000	I	REVIEW INSTR PLANS	(00025)	+ .	13APR66 13APR66		
INST 00000	INT02 I	+	STUDY REVIEWED	(100000)	+ .	13APR66 13APR66		
INT02 00000	INT03 PROJ	+	AWARD INST CONT INT03	6.0	+ .	19OCT66 19OCT66		
INT03 00000	PROJ 00000	I	AWARD INSTR CONTRACT	(00045)	+ .	19OCT66 19OCT66		
INST 00000	INT03 I	+	AWARD INSTRUMENT CONTRACT	(100000)	+ .	19OCT66 19OCT66		
INT03 00000	INT04 PROJ	+	REVIEW SYSTEMS	7.0	+ .	29MAY67 29MAY67		
INT04 00000	PROJ 00000	I	REVIEW INSTR SIM SPECS	(00055)	+ .	29MAY67 29MAY67		
INST 00000	INT04 I	+	SYSTEMS REVIEWED	(100000)	+ .	29MAY67 29MAY67		
INT04 00000	INT05 PROJ	+	PROCUREMENT REVIEW-PERIPH	12.3	+ .	21JUN68 21JUN68		
INT05 00000	PROJ 00000	I	REVIEW INSTR INSTALL SPECS	(00065)	+ .	21JUN68 21JUN68		
INST 00000	INT05 I	+	PROCUREMENTS REVIEWED	(100000)	+ .	21JUN68 21JUN68		
INT05 00000	INT11 GENL	+	INSPECT BUILDING	1.1	+ .	02JUL68 02JUL68		
INT11 00000	GENL 00000	I		(00076)	+ .	02JUL68 02JUL68		

# ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL 1

BY PRIMARY SLACK

PREF EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
INST 00000	INT11	I	BUILDING READY	(AGAD00)	+ .	02JUL68 02JUL68		
INT11	INT06 PROJ		END INSTRUMENTATION	12.5	+ .	01AUG69 01AUG69		
INT06	00000	I	END INSTRUMENTATION	(000000)	+ .	01AUG69 01AUG69		
INST INT06	00000	I	SYSTEM CHECKOUT COMPLETED	(A00000)	+ .	01AUG69 01AUG69		
INT06	00000	A		1.0	+ .	04NOV69 04NOV69		
PROJ 00000	00000	F	END PROJECT		+ .	04NOV69 04NOV69		
INT01	INT02	A	REVIEW STUDY	4.5	+ 1.5	25FEB66 17APR66		
INT02	INT03	A	AWARD INSTRUMENT CONTRACT	1.0	+ 5.0	13MAY66 19OCT66		
INT03	INT04	D	MONITOR INST A	.	+ 7.0	19OCT66 29MAY67		
INT11	INT10 PROJ		BLDG DELIVERED	3.0	+11.5	04OCT69 03OCT69		
INT10	00000	F	END BUILDING	(00070)	+11.5	04OCT69 03OCT69		
INT10	00000	I		(00345)	+11.5	04OCT69 03OCT69		
INT10	00000	F		1.0	+11.5	05NOV69 04NOV69		
INT07	00000	F	CONTRACT AWARDED	(AWARD)	+12.0	17AUG66 01SEP67		



ACTIVITY TIME STATUS REPORT

PAGE 3

PROGRAM BUILD & INSTRUMENT A IMITATION LAB.

( SIMI )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL 1

BY PRIMARY SLACK

PRF	SUC	ACTIVITY	ELAPSED	SLACK	COMPLETION DATES	SCHED.	DEPT.
EVENT	EVENT	DESCRIPTION	TIME	CRIMR SECNO	EXPECTED LATEST	DATE	
INT07	PR0J 00000 1	START BUILDING	(00040)	+12.0	17AUG66 01SEP67		
INT01	INT07 2	START BLDG INT07	12.0	+12.0	17AUG66 01SEP67		
INT07	INT08 3	ERECT STEEL	6.0	+12.0	24FEB67 12MAR68		STEEL
INT08	GENL 00000 1		(00320)	+12.0	24FEB67 12MAR68		
INT08	PR0J 00000 1	REVIEW BUILDING PLANS	(00040)	+12.0	24FEB67 12MAR68		
INT08	INT09 0	INST AIRCON	3.5	+12.0	16JUN67 02JUL68		AIRCON
INT09	PR0J 00000 1	INSPECT BUILDING	(00060)	+12.0	16JUN67 02JUL68		
INT09	GENL 00000 1		(00339)	+12.0	16JUN67 02JUL68		
INT09	INT11	QUERY	.	+12.0	16JUN67 02JUL68		
INT04	INT05 1	MONITOR INST .	.	+12.3	24MAY67 21JUN68		
INT05	INT04 1	END INST INT04	.	+12.4	21JUN68 01AUG69		
INT08	INT09 2	MONITOR BLDG B	.	+12.5	24FEB67 02JUL68		
INT07	INT08 2	MONITOR BLDG A	.	+12.0	17AUG66 12MAR68		

## ACTIVITY TIME STATUS REPORT

PAGE 4

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL 1

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE DEPT.
INT01	INT05	1	DUMMY 4	7.0	+24.3	13MAY66 21JUN68	
INT09	INT10	2	END BLOG INT10	.	+26.9	16JUN67 03OCT69	
INT01	PROJ 00000	1		10.0	+37.1	17AUG66 04NOV69	

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIM	SECD	EXPECTED	LATEST		
PROJ 00000	PROJ 00001	S	START PROJECT	.	.	.	+	.	401JUL65	01JUL65		
PROJ 00001	INT01 PROJ	0	OFFINE FACILITY	3.0	.	.	+	.	05OCT65	05OCT65		
INT01 00000	00000	I	START INSTRUMENTATION	(00005)			+	.	01OCT65	05OCT65		
INST 00000	INT01	I	AWARD OF STUDY CONTRACT	(A0000)			+	.	05OCT65	05OCT65		
INT01 00000	INT02 PROJ	3	INST SPECS	6.0	.	.	+	.	13APR66	13APR66		
INT02 00000	00000	I	REVIEW INSTR PLANS	(00025)			+	.	13APR66	13APR66		
INST 00000	INT02	I	STUDY REVIEWED	(A0000)			+	.	13APR66	13APR66		
INT02 00034	00034	3	REP INST	4.0	.	.	+	.	17AUG66	17AUG66		
PROJ 00034	INT03 PROJ	3	AWARD INST CONTRACT	2.0	.	.	+	.	01OCT66	19OCT66		
INT03 00000	00000	I	AWARD INSTR CONTRACT	(00045)			+	.	14OCT66	19OCT66		
INST 00000	INT03	I	CONTRACT AWARD	(A0000)			+	.	19OCT66	19OCT66		
INT03 INST	AF000	8	PREPARE SUBCONTRACT SPECS	6.0	.	.	+	.	27APR67	27APR67		
INT04 INST	INT04 PROJ	8	REVIEW SYSTEMS	1.0	.	.	+	.	29MAY67	29MAY67		
INT04 00000	00000	I	REVIEW INSTR SUB SPECS	(00055)			+	.	29MAY67	29MAY67		
INST 00000	INT04	I	SYSTEMS REVIEWED	(AF000)			+	.	29MAY67	29MAY67		
INT04 INST	AF000	0	PROCURE PERIPHERAL	12.0	.	.	+	.	12JUN68	12JUN68		
INT05 INST	INT05 PROJ	6	PROCUREMENT REVIEW PERIPH	3.3	.	.	+	.	21JUN68	21JUN68		
INT05 00000	00000	I	REVIEW INSTR INSTALL S. CS	(00065)			+	.	21JUN68	21JUN68		

ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRCE EVENT	SUCG. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M B	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
INST 00000	INT04	I	PROCUREMENTS REVIEWED	(AG000)	+ .	21JUN68 21JUN68		
INT04	INT11		INSPECT BUILDING	.3	. . + .	02JUL68 02JUL68		
INT11	00000	I		(00336)	+ .	02JUL68 02JUL68		
INST 00000	INT11	I	BUILDING READY	(AG000)	+ .	02JUL68 02JUL68		
INT11	AG000	M	INSTALL PERIPHERAL	4.0	. . + .	05NOV68 05NOV68		
INST AG000	AG010		CHECKOUT PERIPHERAL	01.0	. . + .	06DEC68 06DEC68		
INST AG010	AG020		APPROVE PERIPHERAL	03.0	. . + .	13MAR69 13MAR69		
INST AG020	INT06		SYSTEM CHECKOUT	4.5	. . + .	01AUG69 01AUG69		
INT06	00000	I	SYSTEM CHECKOUT COMPLETED	(AM000)	+ .	01AUG69 01AUG69		
INT06	PROJ 00000	I	END INSTRUMENTATION	(00000)	+ .	01AUG69 01AUG69		
INT06	PROJ 00005	A	TRAIN OPERATORS	2.0	. . + .	04NOV69 04NOV69		
00005	00000	F	END PROJECT	. . .	+ .	04NOV69 04NOV69		
INT01	PROJ 00010	I	BUDGET	1.0	. . + 1.0	04NOV65 07DEC65		
00010	PROJ 00015	I	OBTAIN FUNDS	4.0	. . + 1.0	14MAR66 13APR66		
00015	INT02	I	DUMMY ?	.0	. . + 1.0	14MAR66 13-PR66		
INT01	INST AG000	A	STUDY	14.0	. . + 1.5	09FEB66 29MAR66		
INST AG000	INT02	A	REVIEW STUDY	10.5	. . + 1.5	25FEB66 13APR66		

ACTIVITY TIME STATUS REPORT

PAGE 3

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DAY DATE 01JUL65

LEVEL DETAIL

RY PRIMARY SLACK

PRECED EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE DEPT.	
				A	M	R	PRMR	SECD	EXPECTED	LATEST		
INT02	INT02	B	PROCURE CONTRACT	1.0	.	.	+	5.0	13MAY66	19OCT66		
INT04	INST											
INST	AF107	C	PROCURE DIGITAL	6.0	.	.	+	6.0	05DEC67	12JUN68		
AF100	INT05	C	PROCUREMENT REVIEW-DIGITAL	.3	.	.	+	6.0	14DEC67	21JUN68		
INT11	INST											
INST	AG200	G	INSTALL ANALOG	1.0	.	.	+	6.5	12AUG68	26FEB69		
AG200	INST											
INST	AG210		CHECKOUT ANALOG	20.5	.	.	+	6.5	19AUG68	13MAR69		
AG210	INST											
AG210	AG320		APPROVE ANALOG SYS	.0	.	.	+	6.5	19AUG68	13MAR69		
INT03	INT03	D	MONITOR INST A	.0	.	.	+	7.0	19OCT66	29MAY67		
INT11	INST											
INST	AG100	F	INSTALL DIGITAL	.5	.	.	+	7.0	18JUL68	26FEB69		
AG100	INST											
INST	AG110		CHECKOUT DIGITAL	20.5	.	.	+	7.0	02AUG68	13MAR69		
AG110	INST											
AG110	AG320		APPROVE DIGITAL SYS	.0	.	.	+	7.0	02AUG68	13MAR69		
INT04	INST											
INST	AF200		PROCURE ANALOG	4.0	.	.	+	8.0	03OCT67	12JUN68		
AF200	INT05	D	PROCUREMENT REVIEW-ANALOG	.3	.	.	+	8.0	12OCT67	21JUN68		
INT11	GENL											
GENL	00340	E	FINISH INTERIOR	2.0	.	.	+	11.5	04SEP68	03SEP69	INTDEC	
00340	INT10											
INT10	GENL		ACCEPTANCE TEST	1.0	.	.	+	11.5	04OCT68	03OCT69	PROJ	
INT10	00300	I		103349			+	11.5	04OCT68	03OCT69		
INT10	PROJ											
00300	I		END BUILDING	103070			+	11.5	04OCT68	03OCT69		

## ACTIVITY TIME STATUS REPORT

PAGE 4

PROGRAM BUILD &amp; INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65

DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRECED EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	R	PRMR	SECND	EXPECTED	LATEST		
INT10	PROJ 00065	2	ACCEPT BLDG	1.0	.	.	+11.5		05NOV68	04NOV69		
INT01	PROJ 00020	2	A AND F	6.0	.	.	+12.0		11APR66	29APR67		
00020	PROJ 00020	2	REF BLDG	2.0	.	.	+12.0		15JUN66	10JUN67		
00090	INT07 PROJ	2	AWARD BLDG CONTRACT	2.0	.	.	+12.0		17AUG66	01SEP67		
INT07	00000	1	START BUILDING	(00040)			+12.0		17AUG66	01SEP67		
GENL 00000	INT07	1	*	(AWARD)			+12.0		17AUG66	01SEP67		
INT07	GENL 00325	2	PREPARE SITE	2.0	.	.	+12.0		19OCT66	03NOV67		SELF
GENL 00305	GENL 00310	Y	INSTALL PLBG	1.0	.	.	+12.0		18NOV66	06DEC67		PLBG
GENL 00310	GENL 00310	Y	LAY FOUND	2.0	.	.	+12.0		24JAN67	08FEB68		CONCR
GENL 00314	INT08 GENL	Y	ERECT STEEL	1.0	.	.	+12.0		24FEB67	12MAR68		STEEL
INT08	00300	1		(00320)			+12.0		24FEB67	12MAR68		
INT08	PROJ 00000	1	REVIEW BUILDING PLANS	(00040)			+12.0		24FEB67	12MAR68		
INT08	GENL 00325	X	PUT UP WALLS	1.0	.	.	+12.0		15MAR67	29MAR68		CONCR
GENL 00325	GENL 00330	W	PUT ON ROOF	1.0	.	.	+12.0		14APR67	30APR68		ROOF
GENL 00330	INT09 PROJ	U	INST AIRCON	2.0	.	.	+12.0		16JUN67	02JUL68		AIRCON
INT09	00000	1	INSPECT BUILDING	(00040)			+12.0		16JUN67	02JUL68		
GENL 00330	GENL 00333	U	FINISH PLBG	2.0	.	.	+12.0		16JUN67	02JUL68		PLBG
GENL 00333	INT09		QUARRY	1.0	.	.	+12.0		16JUN67	02JUL68		

## ACTIVITY TIME STATUS REPORT

PAGE 5

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.

( SIML )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	R	PRIMR	SECD	EXPECTED	LATEST		
INT09	GENL 00000 1			(00335)			+12.0		16JUN67	02JUL68		
INT09	INT11		DUMMY	0.0	.	.	+12.0		16JUN67	02JUL68		
INT04	INT05	3	MONITOR INST B	.0	.	.	+12.3		20MAY67	21JUN68		
INT05	INT04	3	MONITOR INST C	.0	.	.	+12.8		21JUN68	02AUG69		
PROJ 00015	PROJ 00020	1	DUMMY 1	.0	.	.	+13.0		16MAR66	26APR67		
GENL 00335	INT09	V	INST WIRING	2.0	.	.	+13.0		16MAY67	02JUL68		ELFC
GENL 00330	GENL 00334	U	INST DOORS CAR	1.0	.	.	+13.0		16MAY67	02JUL68		CARP
GENL 00334	INT09		DUMMY	.0	.	.	+13.0		16MAY67	02JUL68		
GENL 00335	INT04	X	FAR WALLS	2.0	.	.	+14.0		21DEC66	12MAR68		CONCR
INT04	INT09	2	MONITOR BLDG B	.0	.	.	+15.6		26FEB67	02JUL68		
INT07	INT04	2	MONITOR BLDG A	.0	.	.	+18.0		17AUG66	12MAR68		
PROJ 00015	PROJ 00014	1	STAFF A	2.0	.	.	+24.3		13MAY66	21JUN68		
PROJ 00015	INT05	1	DUMMY 4	.0	.	.	+24.3		13MAY66	21JUN68		

ACTIVITY TIME STATUS REPORT

PAGE 6

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB. (SINL)

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRMR	SECND	EXPECTED	LATEST		
INT09	INT10	2	MONITOR BLDG C	1.0	.	.	+26.5		16JUN67	03OCT66		
PRNJ 00010	PRNJ 00075	1	STAFF B	2.0	.	.	+37.1		18JUL66	03OCT66		
PRNJ 00075	PRNJ 00085	1	MOVE IN	1.0	.	.	+37.1		17AUG66	04NOV65		



# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.  
PROJECT PROJECT MANAGERS SUB NETWORK

( SIML )  
( PROJ )

RUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PRCCT EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M R	SLACK PRMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE DEPT.
00007	00001	5	START PROJECT				
00001	00004	0	DEFINE FACILITY	3.0		01JUL65 01JUL65	
00004	00000	1	START INSTRUMENTATION	(INT01)		05OCT65 05OCT65	
00025	00024	3	INST SPECS	6.0			
00025	00020	1	REVIEW INSTR PLANS	(INT02)		13APR66 13APR66	
00027	00025	3	REP INST	4.0			
00025	00024	3	AWARD INST CONTRACT	7.0		17AUG66 17AUG66	
00043	00020	1	AWARD INSTR CONTRACT	(INT03)		19OCT66 19OCT66	
00055	00000	1	REVIEW INSTR SUB SPECS	(INT04)		29MAY67 29MAY67	
00065	00000	1	REVIEW INSTR INSTALL SPECS	(INT05)		21JUN68 21JUN68	
00080	00000	1	END INSTRUMENTATION	(INT06)		01AUG69 01AUG69	
00080	00085	4	TRAIN OPERATORS	3.0			
00085	00000	6	END PROJECT			04NOV69 04NOV69	
00005	00010	1	BUDGET	1.0			
00010	00015	1	OBTAIN FUNDS	4.0		04NOV65 07DEC65	
00015	00025	1	FINANCIAL	4.0		14MAR66 13APR66	
00045	00055	3	MONITOR INST A	3.0		19OCT66 29MAY67	
00070	00020	1	END BUILDING	(INT10)	+11.5	04OCT69 03OCT69	
00070	00045	2	ACCEPT BLDG	1.0	+11.5	05NOV69 04NOV69	
00005	00020	3	A AND F	6.0	+12.0	13APR66 28APR67	
00020	00020	2	REP BLDG	2.0	+12.0	15JUN66 17JUN67	
00020	00040	2	AWARD BLDG CONTRACT	2.0	+12.0	17AUG66 01SEP67	
00040	00020	1	START BUILDING	(INT11)	+12.0	17AUG66 01SEP67	

## ACTIVITY TIME STATUS REPORT

PAGE 2

 PROGRAM BUILD & INSTRUMENT A SIMULATION LAB.  
 PROJECT PROJECT MANAGERS SIM NETWORK

 ( SIM )  
 ( PRO )

 RUN DATE- 06APR65  
 DATA DATE 01JUN65

LEVEL DETAIL

BY PRIMARY SLACK

PRCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED.	DEPY.
				A	M	S	PRMR	SCND	EXPECTED	LATEST	DATE	
00090	00000	1	REVIEW BUILDING PLANS	(INTD)			+12.0		24FEB67	12MAR68		
00060	00000	1	INSPECT BUILDING	(INTD)			+12.0		16JUN67	02JUL68		
00055	00065	3	MONITOR INST A	.0	.	.	+12.3		29MAY67	21JUN68		
00065	00080	3	MONITOR INST C	.0	.	.	+12.9		21JUN68	01AUG69		
00015	00020	1	DUMMY 1	.0	.	.	+13.0		16MAR66	28APR67		
00050	00060	2	MONITOR BLDG B	.0	.	.	+15.6		24FEB67	02JUL68		
00040	00050	2	MONITOR BLDG A	.0	.	.	+12.0		17AUG66	12MAR68		
00015	00018	1	STAFF A	2.0	.	.	+24.3		13MAY66	21JUN68		
00018	00055	1	DUMMY 4	.0	.	.	+24.3		13MAY66	21JUN68		
00060	00070	2	MONITOR BLDG C	.0	.	.	+26.5		16JUN67	03OCT69		
00018	00075	1	STAFF B	2.0	.	.	+17.1		18JUL66	03OCT69		
00075	00085	1	MOVE IN	1.0	.	.	+17.1		17AUG66	04NOV69		

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM BUILD + INSTRUMENT A SIMULATION LAB.  
PROJECT PRIME CONTRACTOR-INSTRUMENTATIONI SIML I  
I INST IRUN DATE- 06APR65  
DATA DATE 01JUL65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT		ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED.	DEPT.
				A	M	B	PRIMR	SECON	EXPECTED	LATEST	DATE	
00000	AD000	I	* AWARD OF STUDY CONTRACT	(INT01)			+	.	05OCT65	05OCT65		
00000	AC000	I	STUDY REVIEWED	(INT02)			+	.	13APR66	13APR66		
00000	AD000	I	CONTRACT AWARD	(INT01)			+	.	19OCT66	19OCT66		
AD000	AF000	A	PREPARE SUBCONTRACT SPECS	6.0	.	.	+	.	27APR67	27APR67		
AF000	AF000	A	REVIEW SYSTEMS	1.0	.	.	+	.	29MAY67	29MAY67		
AF000	AF000	D	PROCURE PERIPHERAL	12.0	.	.	+	.	12JUN68	12JUN68		
AF000	AG000	F	PROCUREMENT REVIEW-PERIPH	2.0	.	.	+	.	21JUN68	21JUN68		
AG000	AG000	F	INSPECT BUILDING	2.0	.	.	+	.	02JUL68	02JUL68		
AG000	AG000	H	INSTALL PERIPHERAL	4.0	.	.	+	.	05NOV68	05NOV68		
AG000	AG000	H	CHECKOUT PERIPHERAL	21.0	.	.	+	.	06DEC68	06DEC68		
AG000	AG000	H	APPROVE PERIPHERAL	03.0	.	.	+	.	13MAR69	13MAR69		
AG000	AM000	F	SYSTEM CHECKOUT	4.5	.	.	+	.	01AUG69	01AUG69		
AM000	AM000	F	SYSTEM CHECKOUT COMPLETED	(INT04)			+	.	01AUG69	01AUG69		
00000	AF000	I	SYSTEMS REVIEWED	(INT04)			+	.	29MAY67	29MAY67		
00000	AG000	I	PROCUREMENTS REVIEWED	(INT04)			+	.	21JUN68	21JUN68		
00000	AG000	I	BUILDING READY	(INT11)			+	.	02JUL68	02JUL68		
AD000	AD000	A	STUDY	04.0	.	.	+	1.5	29FEB66	29MAR66		
AD000	AD000	A	REVIEW STUDY	00.5	.	.	+	1.5	25FEB66	13APR66		
AD000	AD000	A	PROCURE CONTRACT	1.0	.	.	+	5.0	13MAY66	19OCT66		
AF000	AF000	C	PROCURE DIGITAL	6.0	.	.	+	6.0	03DEC67	12JUN68		
AF000	AG000	C	PROCUREMENT REVIEW-DIGITAL	2.0	.	.	+	6.0	14DEC67	21JUN68		
AG000	AG000	G	INSTALL ANALOG	1.0	.	.	+	6.5	02AUG68	26FEB69		
AG000	AG000	G	CHECKOUT ANALOG	00.5	.	.	+	6.5	19AUG68	13MAR69		
AG000	AG000	G	APPROVE ANALOG SYS	1.0	.	.	+	6.5	19AUG68	13MAR69		
AG000	AG000	F	INSTALL DIGITAL	1.5	.	.	+	7.0	14JUL68	26FEB69		
AG000	AG000	F	CHECKOUT DIGITAL	00.5	.	.	+	7.0	02AUG68	13MAR69		

## ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM BUILD + INSTRUMENT & SIMULATION LAB.  
 PROJECT PRIME CONTRACTOR INSTRUMENTATION

( SIML )  
 ( INST )

RUN DATE- 06APR69  
 DATA DATE 01JUL69

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK		COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	B	PRIMR	SECND	EXPECTED	LATEST		
AG110	AG370		APPROVE DIGITAL SYS	.0	.	.	+ 7.0			02AUG68	13MAR69	
AF000	AF200	D	PROCURE ANALOG	4.0	.	.	+ 8.0			03OCT67	12JUN68	
AF200	AS000	D	PROCUREMENT REVIEW-ANALOG	.7	.	.	+ 8.0			12OCT67	21JUN68	

ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM BUILD & INSTRUMENT A SIMULATION LAB.  
PROJECT GENERAL CONTRACTOR-CONSTRUCTION

( SIML )  
( GENE )

RUN DATE- 04APR68  
DATA DATE- 01JUL68

LEVEL DETAIL

BY PRIMARY SLACK

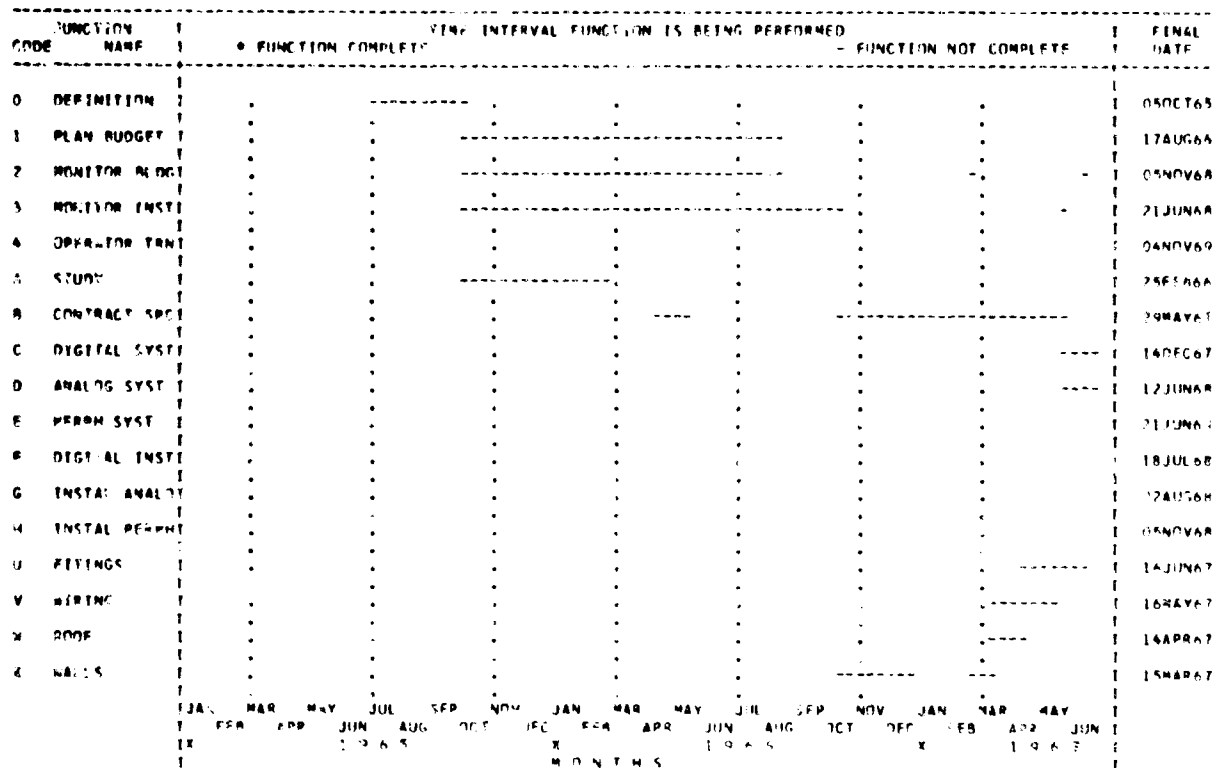
PRER EVENT	SUC EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M H	SLACK PRMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
0033A	00300	I		(ENT11)	0	02JUL68 02JUL68		
0033A	00340	I	FINISH INTERIOR	2.0	0	04SEP68 03SEP69		INTDEC
00340	00345		ACCEPTANCE TEST	1.0	0	04OCT68 03OCT69		PROJ
00345	00300	I		(ENT10)	0	04OCT68 03OCT69		
00000	00000	I		(ENT07)	0	17JUG66 01SEP67		
00000	00005	I	PREPARE SITE	2.0	0	17OCT66 03NOV67		SELF
00005	00010	I	INSTALL PLUG	1.0	0	17NOV66 06DEC67		PLUG
00010	00015	I	LAY FORMS	2.0	0	24JAN67 08FEB68		CONCR
00015	00020	I	ERECT STEEL	1.0	0	24FEB67 12MAR68		STEEL
00020	00000	I		(ENT08)	0	24FEB67 12MAR68		
00320	00325	X	PUT UP WALLS	1.0	0	19MAR67 29MAR68		CONCR
00325	00330	M	PUT ON ROOF	1.0	0	14APR67 10APR68		ROOF
00330	00335	I	FINISH PLUG	2.0	0	16JUN67 02JUL68		PLUG
00335	00340	I	FINISH	1.0	0	16JUN67 02JUL68		
00340	00300	I		(ENT09)	0	16JUN67 02JUL68		
00310	00315	I	INST AIRCON	2.0	0	16JUN67 02JUL68		AIRCON
00315	00316		FINISH	1.0	0	16JUN67 02JUL68		
00310	00314	I	INST DOORS CAR	1.0	0	16MAY67 02JUL68		CARP
00314	00315		FINISH	1.0	0	16MAY67 02JUL68		
00315	00315	V	INST WIRING	2.0	0	16MAY67 02JUL68		ELEC
00305	00320	X	FIN WALLS	2.0	0	21DEC66 12MAR68		CONCR

PROPERTY COST  
PROGRAM FUNCTION BAR CHART

PAGE 1

PROGRAM DESCRIPTION - BUILD + INSTRUMENT A SIMULATION LAB.  
PROGRAM IDENTIFICATION - SIML

RUN DATE - 06 APR 65  
DATA DATE - 01 JUL 65



IBM PERT COST  
PROGRAM FUNCTION BAR CHART

PAGE 2

PROGRAM DESCRIPTION - BUILD & INSTRUMENT A SIMULATION LAB.  
PROGRAM IDENTIFICATION - SIML

RUN DATE - 06 APR 65  
DATA DATE - 01 JUL 65

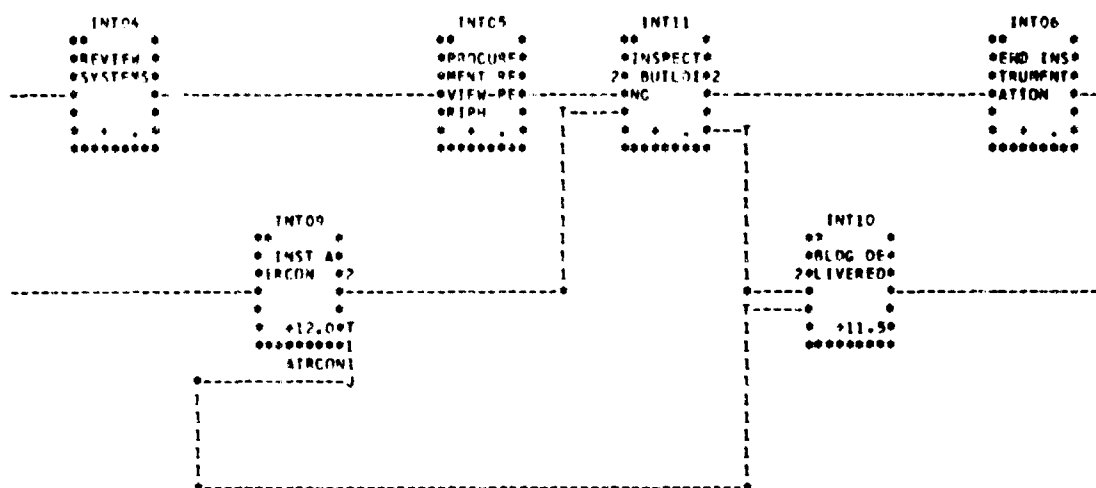
FUNCTION CODE	NAME	TIME INTERVAL FUNCTION IS BEING PERFORMED												FINAL DATE			
		+ FUNCTION COMPLETE						- FUNCTION NOT COMPLETE									
Y	ENDN + ENM	.	.	.	.	.	.	.	.	.	.	.	.	24FEB67			
Z	STF	.	.	.	.	.	.	.	.	.	.	.	.	19OCT66			
		JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR	MAY	JUL	SEP	NOV	JAN	MAR	MAY	JUN
		1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965	1965





## PRPG. BUILD + INSTRUMENT A SIMULATION IAR. LEVFL-1 (SIML) DATE-01JUL65 PAGE 2

06-02-67      06-16-67      06-21-68      07-05-68      10-04-68      08-01-69



# EVENT ORIENTED DIAGRAM

PRG. BUILD + INSTRUMENT A SIMULATION LAB.

LEVEL - 1

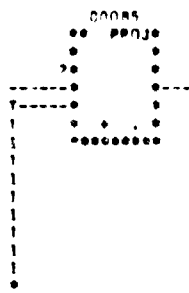
( SINLI

DATE-C1JUL69

PAGE 3

11-07-69

11-27-69



# ACTIVITY ORIENTED DIAGRAM

PROJ.- PROJECT MANAGERS SUM NETWORK

LEVEL-DETAIL ( PROJ)

DATE-01JUL65

PAGE 1

07-02-65

10-08-65

11-05-65

03-19-66

03-18-66

04-15-66

00001  
\*\*\*\*\*  
\*START 00  
\*PROJECT \*  
\*\*\*\*\*  
4-

00005  
\*\*\*\*\*  
\*OFFICE \*  
\*FACILITY \*  
\*\*\*\*\*  
Y

00025  
\*\*\*\*\*  
\*INST SP  
\*ECS \*  
\*\*\*\*\*  
T

00010  
\*\*\*\*\*  
\*BUDGET \*  
\*\*\*\*\*  
+ 1.00

00014  
\*\*\*\*\*  
\*OBTAIN \*  
\*FUNDS \*  
\*\*\*\*\*  
+ 1.00

(00025)  
\*\*\*\*\*  
\*BUDGET \*  
\*\*\*\*\*  
+ 1.00

00020  
\*\*\*\*\*  
\*A AND E \*  
\*\*\*\*\*  
+ 12.00

(00020)  
\*\*\*\*\*  
\*BUDGET \*  
\*\*\*\*\*  
+ 11.00

# ACTIVITY ORIENTED DIAGRAM

PROJ.- PROJECT MANAGERS SUB NETWORK

LEVEL-DETAIL ( PROJ)

DATE-01JUL65

PAGE 2

04-13-66

05-13-66

06-17-66

07-22-66

08-19-66

08-19-66

00035  
\*\*\*\*\*  
\*REP INS\*  
\*T\*  
\*  
\*  
\*\*\*\*\*

00010  
\*\*\*\*\*  
\*REP ALI\*  
\*G\*  
\*  
\*  
\*+12.0\*  
\*\*\*\*\*

00040  
\*\*\*\*\*  
\*AWARD A\*  
\*LDS CON\*  
\*TRACT\*  
\*  
\*+12.0\*  
\*\*\*\*\*

00050  
\*\*\*\*\*  
\*MONITOR\*  
\*BLDG A\*  
\*  
\*  
\*+18.0\*  
\*\*\*\*\*

00019  
\*\*\*\*\*  
\*STAFF A\*  
\*  
\*  
\*+14.0\*  
\*\*\*\*\*

00065  
\*\*\*\*\*  
\*DUNNY A\*  
\*  
\*  
\*+14.0\*  
\*\*\*\*\*

00076  
\*\*\*\*\*

00085  
\*\*\*\*\*

```

1          *STAFF B*      *MOVE IN*
1          :             :
----- : ----- : -----
          :             :
          :             :
          :   +37.10     :   +37.10
          *****        *****

```



-----

ACTIVITY ORIENTED DIAGRAM

PROJ. - PROJECT MANAGERS SIA NETWORK

LEVEL-DETAIL ( PROJ)

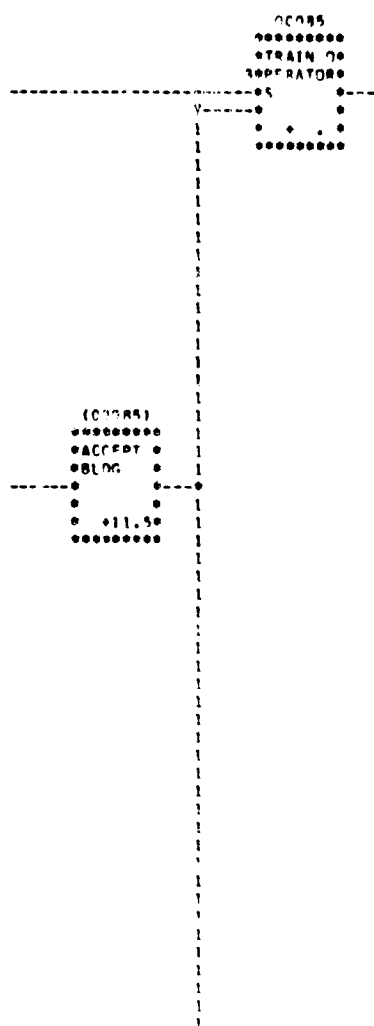
DATE-01JUL69

PAGE 4

11-08-69

11-07-69

11-07-69



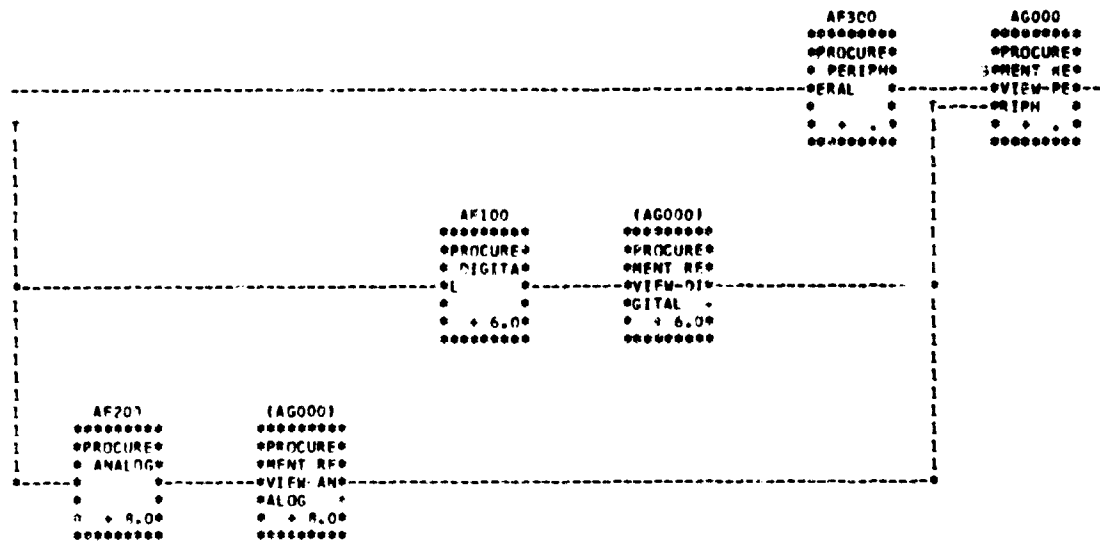




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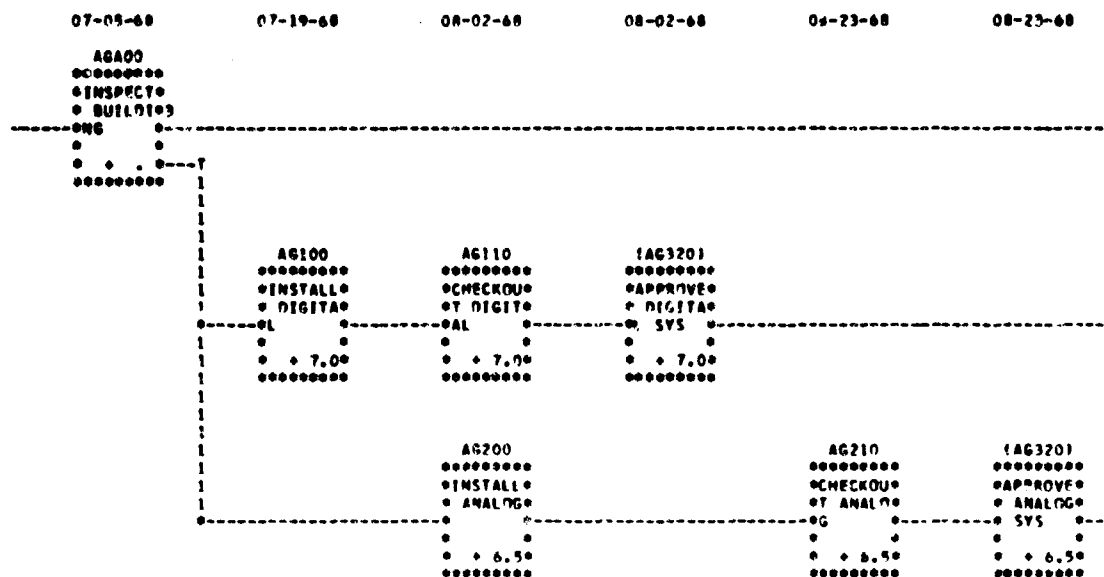
ACTIVITY ORIENTED DIAGRAM

PROJ.- PRIME CONTRACTOR-INSTRUMENTATION LEVEL-DETAIL ( INST) DATE-01JUL65 PAGE 2  
 10-06-67 10-19-67 12-08-67 12-15-67 06-14-68 06-21-68



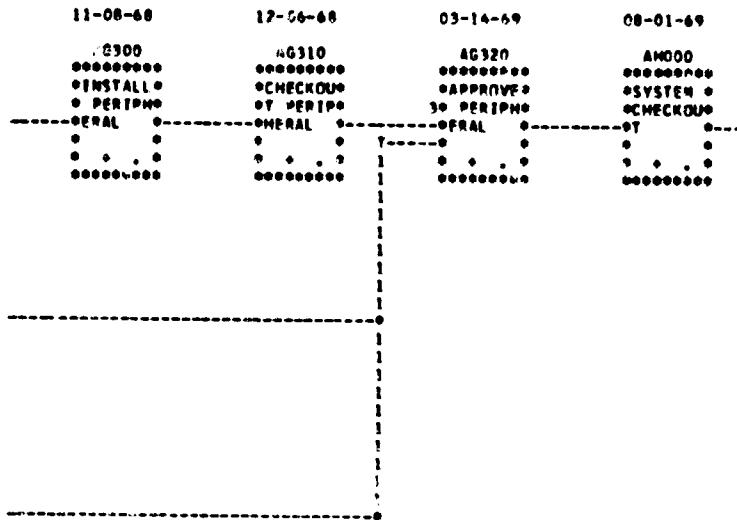
ACTIVITY ORIENTED DIAGRAM

PROJ.- PRIME CONTRACTOR-INSTRUMENTATION      LEVEL-DETAIL ( INS )      DATE-01 JUL 65      PAGE 3



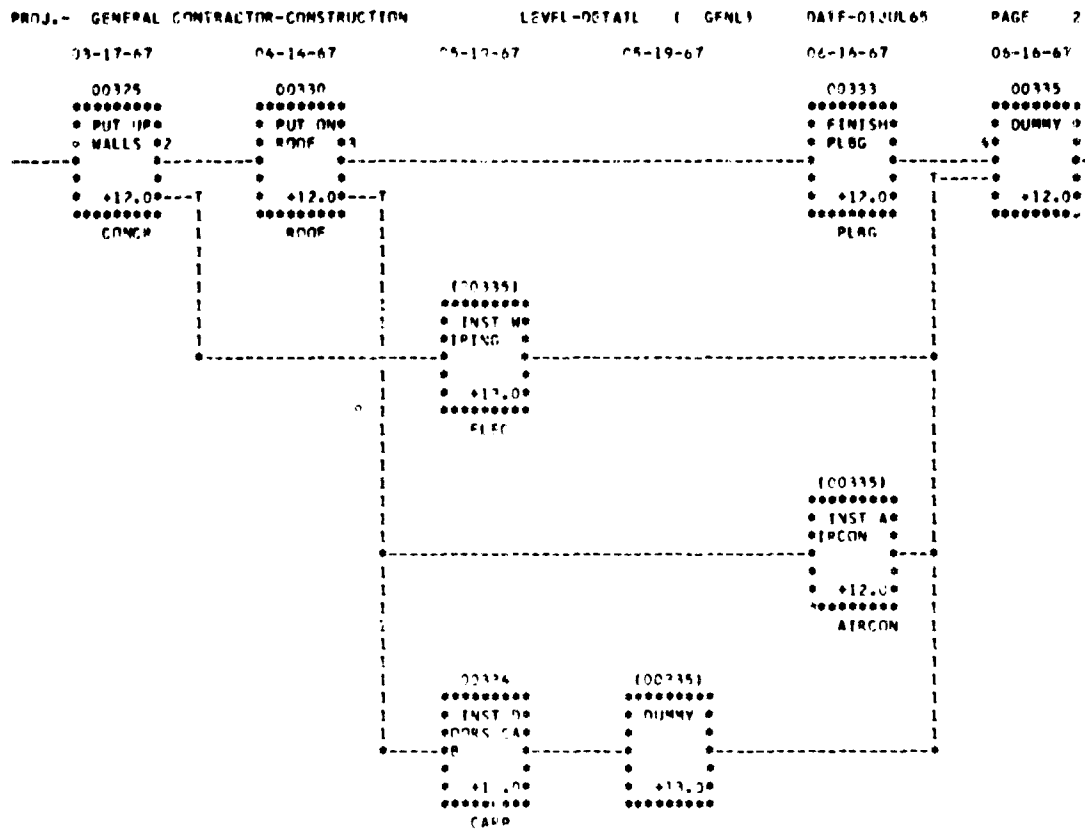
ACTIVITY ORIENTED DIAGRAM

PROJ.- PRIME CONTRACTOR-INSTRUMENTATION LEVEL-DETAIL ( INST) DATE-01JUL69 PAGE 4





ACTIVITY ORIENTED DIAGRAM



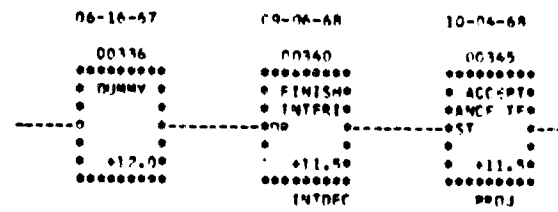
# ACTIVITY ORIENTED DIAGRAM

PRJL- GENERAL CONTRACTOR-CONSTRUCTION

LFVFL-DETAIL ( GPHL)

DATE-01JUL69

PAGE 3





## APPENDIX E

### SUMMARY REPORTS FOR MDSS PROJECT

#### INTRODUCTION

This appendix contains the computer output sheets in the order that they are printed. Reference to the manually prepared network is useful to locate the network activities and events by name and number. Some reports, especially financial reports, have limited data since only limited data were input.

The computer output sheets are organized as follows:

	Page
Computer output section 1. Input Data . . . . .	135
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Computer output section 3. Summary Reports to Performing Group . .	170
Computer output section 4. Program/Project Status Report to Top Management . . . . .	242
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Computer output section 8. Activity Time Status Report and Event- Oriented Network at Level Two . . . . .	250
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Computer output section 13. Cost: Manhours and Dollars . . . . .	279
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Computer output section 16. Organization Status, Financial Plan and Status: Subnets MDSA Through MDSI . . . .	290
Computer output section 17. Activity Time Status Reports, Event- Oriented Diagrams Subnets MDSA Through MDSI . . . . .	397

#### Notes:

In computer output section 2, an asterisk represents a working day. In computer output section 6, the preceding event and succeeding event numbers and activity description can be used to locate this activity in the manual or computer-produced project network. The zero slack items (the first activities listed in

the report) form the critical path. Negative slack activities would head the list. The A, D, or X in front of the dates mean, respectively, actual, occurs in the next 30 days from the run date, or has passed. In computer output section 8, the final four pages comprise a single event-oriented diagram.

12020 NO ACCOUNTING CALENDAR DATA ON THE REM MASTER FILE.

A	1		1						TF SU	01
A	2		1						TF SU	01
A	3		1						TF SU	01
A	4		1						TF SU	01
A	1	T0	1			40		40.	TF SU	01
A	2	T004	1		T0	40		410.	TF SU	01
A	3	T00 1220	1		T004	410		412.2	TF SU	01
A	4	T0041220	PL	1	T0041220	410		412.2	TF SU	01
A	3	T0041221		1	T004	410		412.21	TF SU	01
A	4	T0041221	PL	1	T0041221	410		412.21	TF SU	01
A	3	T0041340		1	T004	410		413.4	TF SU	01
A	4	T0041340	RY	1	T0041340	410		413.4	TF SU	01
A	2	T041		1	T0	40		4100.	TF SU	01
A	3	T0412400		1	T041	4100		4124.	TF SU	01
A	4	T0412400	FN	1	T0412400	4100		4124.	TF SU	01
A	3	T0411300		1	T041	4100		4113.	TF SU	01
A	4	T0411300	FN	1	T0411300	4100		4113.	TF SU	01
A	2	T042		1	T0	40		4200.	TF SU	01
A	3	T0420010		1	T042	4200		4200.1	TF SU	01
A	4	T0420010	FN	1	T0420010	4200		4200.1	TF SU	01
A	3	T0421200		1	T042	4200		4212.	TF SU	01
A	4	T0421200	FN	1	T0421200	4200		4212.	TF SU	01
A	3	T0421320		1	T042	4200		4213.2	TF SU	01
A	4	T0421320	MS	1	T0421320	4200		4213.2	TF SU	01
A	3	T0421340		1	T042	4200		4213.4	TF SU	01
A	4	T0421340	SS	1	T0421340	4200		4213.4	TF SU	01
A	3	T0421420		1	T042	4200		4214.2	TF SU	01
A	4	T0421420	PS	1	T0421420	4200		4214.2	TF SU	01
A	3	T0421423		1	T042	4200		4214.23	TF SU	01
A	4	T0421423	PM	1	T0421423	4200		4214.23	TF SU	01

A	3	T0421425		1	T042	4200	4214.25	TESU	01
A	4	T0421425	PN	1	T0421425	4200	4214.25	TESU	01
A	3	T0422300		1	T042	4200	4223.	TESU	01
A	4	T0422300	EM	1	T0422300	4200	4223.	TESU	01
A	3	T0422450		1	T042	4200	4224.5	TESU	01
A	4	T0422450	GI	1	T0422450	4200	4224.5	TESU	01
A		SX	40	1	1 63 * 2	*400		TESU	MDSA 02
A		SC	40	1	1 63 * 20	*400		TESU	MDSA 02
A		SM	40	1	1 63 *200	*400		TESU	MDSA 02
A		EN	411300	1	1 63	20 *400		TESU	MDSA 02
A		PL	041220	1	1 63	20 *400		TESU	MDSA 02
A		PL	041221	1	1 63	20 *400		TESU	MDSA 02
A		EN	412400	1	1 63	20 *400		TESU	MDSA 02
A		IN	420010	1	1 63	20 *400		TESU	MDSA 02
A		MN	421200	1	1 63	20 *400		TESU	MDSA 02
A		MS	421320	1	1 63	20 *400		TESU	MDSA 02
A		SS	421340	1	1 63	20 *400		TESU	MDSA 02
A		PH	421423	1	1 63	20 *400		TESU	MDSA 02
A		PH	421425	1	1 63	20 *400		TESU	MDSA 02
A		EM	422300	1	1 63	20 *400		TESU	MDSA 02
A		GI	422450	1	1 63	20 *400		TESU	MDSA 02
A		BY	041340	1	1 63	20 *400		TESU	MDSA 02
A		PS	421420	1	1 63	20 *400		TESU	MDSA 02
A		SX	40	1	1 63 * 2	*400		TESU	MDSA 02
A		SC	40	1	1 63 * 20	*400		TESU	MDSA 02
A		SM	40	1	1 63 *200	*400		TESU	MDSA 02
A		EN	411300	1	1 63	20 *400		TESU	MDSA 02
A		PL	041220	1	1 63	20 *400		TESU	MDSA 02
A		PL	041221	1	1 63	20 *400		TESU	MDSA 02
A		EN	412400	1	1 63	20 *400		TESU	MDSA 02
A		IN	420010	1	1 63	20 *400		TESU	MDSA 02
A		MN	421200	1	1 63	20 *400		TESU	MDSA 02

[illegible]

A	IN	420010	1	1	63	20	*400	TESU	MDSN	02
A	MN	421200	1	1	63	20	*400	TESU	MDSN	02
A	MS	421320	1	1	63	20	*400	TESU	MDSN	02
A	SS	421340	1	1	63	20	*400	TESU	MDSN	02
A	PN	421423	1	1	63	20	*400	TESU	MDSN	02
A	FM	421423	1	1	63	20	*400	TESU	MDSN	02
A	EM	422300	1	1	63	20	*400	TESU	MDSN	02
A	GI	422450	1	1	63	20	*400	TESU	MDSN	02
A	BY	041340	1	1	63	20	*400	TESU	MDSN	02
A	PS	421420	1	1	63	20	*400	TESU	MDSN	02
A	EX	40	1	1	63	* 2	*400	TESU	MDSF	02
A	SC	40	1	1	63	* 20	*400	TESU	MDSF	02
A	SM	40	1	1	63	*200	*400	TESU	MDSF	02
A	EN	411300	1	1	63	20	*400	TESU	MDSF	02
A	PL	041220	1	1	63	20	*400	TESU	MDSF	02
A	PL	041221	1	1	63	20	*400	TESU	MDSF	02
A	EN	412400	1	1	63	20	*400	TESU	MDSF	02
A	IN	420010	1	1	63	20	*400	TESU	MDSF	02
A	MN	421200	1	1	63	20	*400	TESU	MDSF	02
A	MS	421320	1	1	63	20	*400	TESU	MDSF	02
A	SS	421340	1	1	63	20	*400	TESU	MDSF	02
A	PN	421423	1	1	63	20	*400	TESU	MDSF	02
A	PN	421423	1	1	63	20	*400	TESU	MDSF	02
A	EM	422300	1	1	63	20	*400	TESU	MDSF	02
A	GI	422450	1	1	63	20	*400	TESU	MDSF	02
A	BY	041340	1	1	63	20	*400	TESU	MDSF	02
A	PS	421420	1	1	63	20	*400	TESU	MDSF	02
A	EX	40	1	1	63	* 2	*400	TESU	MDSF	02
A	SC	40	1	1	63	* 20	*400	TESU	MDSF	02
A	SM	40	1	1	63	*200	*400	TESU	MDSF	02
A	EN	411300	1	1	63	20	*400	TESU	MDSF	02
A	PL	041220	1	1	63	20	*400	TESU	MDSF	02

TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSF	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSG	OZ
TESU	MDSH	OZ
TESU	MDSH	OZ
TESU	MDSH	OZ

[illegible]



NETWORK ID. YESU  
SUBNET ID MOSA

A	PRED.	SUCC.	T	C	DESCRIPTION	A	M	B	T	SCHL.	ACTL.	DEPT.	SUBNET	GR
A			11	S	START MOBILE DIVING SUPPORT						01APR64	411300	MOSA	20
A	11	10	1		CONFERENCE						041220	MOSA	20	
A	11	12	1		CONFERENCE						411300	MOSA	20	
A	10	12	1		DUMMY							MOSA	20	
A	12	20	1		SPECIFY VAN						411300	MOSA	20	
A	12	31	1		GENERAL ENG. DESIGN						411300	MOSA	20	
A	12	40	1		ENG.DESIGN RECOM-CHAM + DIVE						411300	MOSA	20	
A	12	50	1		SPECIFY SUPPORT EQUIP.						411300	MOSA	20	
A	20		1		SPECIFY VAN						411300	MOSA	20	
A	31		1		GENERAL ENGINEERING						411300	MOSA	20	
A	40		1		ENG.DESIGN RE-COM CHAMBER						411300	MOSA	20	
A	50		1		SPECIFY SUPPORT EQUIPMENT						411300	MOSA	20	

NETWORK ID. TESU  
SUBNET ID. MDSA

M L	PRED.	SUCC.	CHARGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUBMET	GR
A 2	00000	00020		411300	01JUL64	JAN SPECIFICATIONS	MDSA	22
A 2	00000	00031		411300	01OCT64	GENERAL DESIGN	MDSA	22
A 2	00000	00040		411300	30NOV64	DESIGN DIVERS SUPPORT	MDSA	22
A 2	00000	00050		411300	24APR64	SUPPORT EQUIPMENT SPEC.	MDSA	22
A 1	00000	00011		411300	01APR64	START MOBILE DIVERS SUPPORT	MDSA	22
A 7	00000	00010		041220	02APR64	END PLANNING CONFERENCE	MDSA	22
A 7	00000	00012		411300	02APR64	END INITIAL ENG. CONFERENCE	MDSA	22

NETWORK ID. TESU  
SUBNET ID. MOSA

N L *	DATE	CHARGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUBNET	GR
A	02APR64	T0041220	PL	041220	PL	E H	R	MOSA	26
A	02APR64	T0411300	FN	411300	FN	F H	R	MOSA	26
A	01JUL64	T0411300	FN	411300	FN	F H	24	MOSA	26
A	01OCT64	T0411300	FN	411300	FN	F H	896	MOSA	26
A	30NOV64	T0411300	FN	411300	FN	F H	1832	MOSA	26
A	24APR64	T0411300	FN	411300	FN	F H	24	MOSA	26

NETWORK ID. TESU  
SUBNET ID. MOSB

#	PREF.	SUCC.	T	C	DESCRIPTION	A	M	R	TL	SCHL.	ACTL.	DEPT.	SUBNET	GR
A			20	I	SPECIFY VAN							411300	MOSB	20
A	32		I		SHOP SPECS. MACHINE VAN							420000	MOSB	20
A	20	21	2		PROCURE VAN							411300	MOSB	20
A	21	22	2		PLAN VAN MATERIAL PROCUREMENT							411300	MOSB	20
A	22	23	2		PROCURE VAN MATERIALS							041340	MOSB	20
A	23	80	2		STRUCTURAL SHOP VAN							421340	MOSB	20
A	23	32	2		DUMMY								MOSB	20
A	80		I		SHOP WORK COMPLETED VAN							421340	MOSB	20
A		23	I		VAN STRUCTURAL SHOP							420000	MOSB	20

NETWORK ID. TESU  
SUBNET ID. MOSB

M L	PRED.	SICC.	CHARGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUBNET	GR
A	2	00000	00000	420000	19MAY65	SHOP WORK COMPLETED	MOSB	22
A	2	00000	00020	411300	01JUL64	VAN SPECIFICATIONS	MOSB	22
A	7	00000	00021	411300	01SEP64	VAN PROCUREMENT STARTED	MOSB	22
A	7	00000	00022	411300	15JAN65	VAN PROCURED	MOSB	22
A	7	00000	00023	421340	15FEB65	VAN MATERIAL PROCURED	MOSB	22

NETWORK ID. IESU  
SURNET ID MDSA

#	L	*	DATE	CHARGE NUMBER	DEPT.	ACODE	T	HANPOWER	DOLLARS	SURNET	GR
A			01SEP64	TD411300	EN	411300	EN	F	H	P	
A			15JAN65	TD411300	EN	411300	EN	F	H	40	MDSB 26
A			15FEB65	TD411340	BY	041340	BY	F	H	24	MDSB 26
A			01MAY65	TD421100	SS	421140	SS	F	H	120	MDSB 26

NETWORK ID. TESU  
SUBNET ID. MDSC

4	•	PRED.	SUC.	1	C	DESCRIPTION	A	M	B	TL	SCHL.	ACTL.	DEPT.	SUBNET	GR
A				31	I	GENERAL ENGINEERING									
A		32		I		SHOP SPECS. MACHINE VAN								411300	MDSC 20
A		31		23	I	SHOP SPECS. STRUCTURAL VAN								420000	MDSC 20
A		31		32	I	SHOP SPECS. MACHINE VAN				20				041220	MDSC 20
A		32		40	I	SHOP WORK MACHINE VAN				123				041220	MDSC 20
A		31		33	I	SHOP SPECS. METAL VAN				20				421200	MDSC 20
A		33		40	I	SHOP WORK METAL VAN				131				041220	MDSC 20
A		31		34	I	SHOP SPECS. SURFACE TREAT VAN				20				421320	MDSC 20
A		34		40	I	SHOP WORK SURFACE TREAT VAN				132				041220	MDSC 20
A		31		35	I	SHOP SPECS. PATTERN VAN				20				421425	MDSC 20
A		35		40	I	SHOP WORK PATTERN VAN				123				041220	MDSC 20
A		23		I		VAN STRUCTURAL SHOP				23				421423	MDSC 20
A		40		I		SHOP WORK COMPLETED VAN				40				420000	MDSC 20
														420000	MDSC 20

NETWOR. ID. TESU  
SUBNET ID. MDSC

W L F*ED. SUCC.	CHARGE NUMBER	DEPT.	TO /SCH	MILESTONE DESCRIPTION	ABNET	GR
A 2 00000 00080		420000	18MAY65	SHOP WORK COMPLETED	MDSC	22
A 2 00000 00081		411300	01OCT64	GENERAL DESIGN	MDSC	22
A 7 00000 00033		041220	01NOV64	VAN SHOP SPECS. METAL	MDSC	22
A 7 00000 00034		041220	01NOV64	VAN SHOP SPECS. SURFACE	MDSC	22
A 7 00000 00035		041220	01NOV64	VAN SHOP SPECS. PATTERN	MDSC	22



NETWORK TO. TESU  
SUBNET ID. MDSC

M L *	DATE	CHARGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUBNET	GR
A	01NOV64	T0041220	PL 041220	PL	E H	24		MDSC	26
A	01NOV64	T0041220	PL 041220	PL	E H	16		MDSC	26
A	01NOV64	T0041220	PL 041220	PL	E H	16		MDSC	26
A	01NOV64	T0041220	PL 041220	PL	E H	32		MDSC	26
A	01NOV64	T0041220	PL 041220	PL	E H	32		MDSC	26
A	01MAY65	T0421200	MM 421200	MM	F H	80		MDSC	26
A	17MAY65	T0421320	MS 421320	MS	F H	120		MDSC	26
A	18MAY65	T0421425	PM 421425	PM	F H	80		MDSC	26
A	01MAY65	T0421423	PM 421423	PM	F H	30		MDSC	26

NETWORK ID. TFSU  
SUBNET ID. WDSN

W	PRED.	SUCC.	T	C	DESCRIPTION	A	M	B	TL	SCHL.	ACTL.	DEPT.	SUBNET	GR
A		40	I		ENG. DESIGN RE-CON CHAMBER									
A	41	I			PROCURE RE-CON CHAMBER									
A	40	41	4		SHOP SPECS. STRUCTURAL RE-CON	40								
A	41	80	4		SHOP WORK STRUCTURAL RE-CON	60								
A	40	42	4		SHOP SPECS. SURFACE TREAT RE-	40								
A	42	80	4		SHOP WORK SURFACE TREAT RE-C	60								
A	80				SHOP WORK COMPLETED RE-COMP	40								

NITMUY ... TESU  
 SUBMT ID MOSO

ML PREO. SUCC.	CHARGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUBMT	GR
A 2 00000 00040		411300	30NOV64	DESIGN DIVERS SUPPORT	MOSO	22
A 2 00000 00040		420000	18MAY65	SHOP WORK COMPLETED	MOSO	22
A 7 00000 00042		041220	01FEB65	RE-COMM SHOP SPECS. SURFACE	MOSO	22

NETWORK TEL. TESU  
SUNNET ID MDS

M L *	DATE	CHARGE NUMBER	DEPT.	HLDR	T	MANPOWER	DOLLARS	SUNNET	GR
A	01FEB65	T0041220	PL	041220	PL	E H	8	MDSN	26
A	01FEB65	T0041220	PL	041220	PL	E H	8	MDSN	26
A	01MAY65	T0421340	SS	421340	SS	E H	26	MDSN	26
A	27APR65	T0421425	PM	421425	PM	E H	26	MDSN	26

NETWORK ID. YESU  
SUBNET ID. MOSE

#	PRED.	SUCR.	T	C	DESCRIPTION	A	M	R	TL	SCHL.	ACTL.	DEPT.	SUBNET	GR
A		50	I		SPECIFY SUPPORT EQUIPMENT	50							411300	MOSE 20
A	41		I		PROCURE RE-CON CHAMBER	41							411300	MOSE 20
A	59		I		PROCURE ELECTRONICS MATERIAL	59							041340	MOSE 20
A	50	41	S		PROCURE RE-CON-CHAMBER	41							411300	MOSE 20
A	50	52	S		ENG.DESIGN ELECTRONIC DEVICE	105							412400	MOSE 20
A	52	51	S		DUMMY	0								MOSE 20
A	50	51	S		ENG.DESIGN EQUIP.INSTALL VAN	105							412400	MOSE 20
A	51	54	S		SHOP SPECS. MACHINE	4							041220	MOSE 20
A	54	500	S		SHOP WORK MACHINE	40							421200	MOSE 20
A	51	55	S		SHOP SPECS METAL	4							041220	MOSE 20
A	55	500	S		SHOP WORK METAL	42							421220	MOSE 20
A	51	58	S		SHOP SPECS. STRUCTURAL	4							041220	MOSE 20
A	58	500	S		SHOP WORK STRUCTURAL	44							421320	MOSE 20
A	51	56	S		PROCURE POWER EQUIPMENT	2							411700	MOSE 20
A	56	58	S		DUMMY	0								MOSE 20
A	51	59	S		SHOP SPECS. ELECTRONICS	7							041220	MOSE 20
A	51	57	S		SHOP SPECS. SURFACE TREATMEN	4							041220	MOSE 20
A	57	500	S		SHOP WORK SURFACE TREATMENT	39							421420	MOSE 20
A	51	502	S		SHOP SPECS. GROUND INSTALLAT	144							041220	MOSE 20
A	500	59	S		INSPECTION	1							420010	MOSE 20
A	59	501	S		SHOP WORK ELECTRONIC DEVICES	3							427300	MOSE 20
A	501	502	S		INSPECTION	1							420010	MOSE 20
A	502		I		PRODUCTION COMPLETED	502							420010	MOSE 20

NETWORK ID. TESU  
 SUMNET ID. MOSE

M L	PRED.	SUCC.	CHARGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUMNET	OR
A	2	00000	00902	422000	21JAN65	SHOP WORK COMPLETED	MOSE	22
A	2	00000	00050	411300	24APR64	SUPPORT EQUIPMENT SPEC.	MOSE	22
A	7	00000	00052	412400	01OCT64	ELECTRONICS DESIGN DEVICES	MOSE	22
A	7	00000	00051	412400	01OCT64	ENG. DESIGN EQUIP. INSTAL.	MOSE	22
A	7	00000	00054	041220	13OCT64	SHOP SPECS. MACHINE	MOSE	22
A	7	00000	00500	421200	10DEC64	SHOP WORK MACHINE	MOSE	22
A	7	00000	00055	041220	13OCT64	SHOP SPECS. METAL	MOSE	22
A	7	00000	00058	041220	13OCT64	SHOP SPECS. STRUCTURAL	MOSE	22
A	7	00000	00056	411300	03OCT64	POWER EQUIP. PROCURED	MOSE	22
A	7	00000	00057	041220	13OCT64	SHOP SPECS. SURFACE	MOSE	22
A	7	00000	00501	422300	15DEC64	SHOP WORK ELECTRONICS	MOSE	22

NETWORK ID. YES  
SUBNET ID MOSE

M L *	DATE	CHARGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUBNET	GR
A	30APR65	T0041220	PL	041220	PL	E H	16	MOSE	26
A	13OCT64	T0041220	PL	041220	PL	E H	8	MOSE	26
A	12OCT64	T0041220	PL	041220	PL	E H	8	MOSE	26
A	13OCT64	T0041220	PL	041220	PL	E H	8	MOSE	26
A	13OCT64	T0041220	PL	041220	PL	E H	16	MOSE	26
A	13OCT64	T0041220	PL	041220	PL	E H	8	MOSE	26
A	01OCT64	T0411300	EN	411300	EN	F H	16	MOSE	26
A	01OCT64	T0412400	EN	412400	EN	E H	560	MOSE	26
A	01OCT64	T0412400	EN	412400	EN	E H	80	MOSE	26
A	10DEC64	T0421200	MS	421200	MS	F H	8	MOSE	26
A	07DEC64	T0421340	SS	421340	SS	F U	8	MOSE	26
A	07DEC64	T0421320	MS	421320	MS	E H	112	MOSE	26
A	07DEC65	T0421420	PS	421420	PS	F H	40	MOSE	26
A	16DEC64	T0420010	IN	420010	IN	F H	8	MOSE	26
A	11DEC64	T0420010	IN	420010	IN	F H	16	MOSE	26
A	15DEC64	T0422300	EN	422300	EN	F H	24	MOSE	26

NETWORK ID. TFSU  
SUBNET ID. MDSF

M	PRED.	SICC.	T	C	DESCRIPTION	A	M	R	TL	SCHL.	ACTL.	DEPT.	SUBNET	GR
A		50	I		PROCURE							411300	MDSF	20
A	59		I		PROCURE ELECTRONICS MATERIAL							041340	MDSF	20
A	50	59	A		PROCURE MAT ELEC DEVICES				78			041340	MDSF	20
A	50	502	6		PROCURE DIVERS SUPPORT EQUIP				176			411300	MDSF	20
A	50	60	6		PLAN PROCURE GROUND INST.MAT				124			412400	MDSF	20
A	60	502	6		PROCURE MAT GROUND INSTALLAT				32			041340	MDSF	20
A	502		I		PROCUREMENT GROUND INSTALLAT				502			041340	MDSF	20



NETWORK ID. TESU  
SUBNET ID MOSF

M L	PRED.	SUCC.	CHARGE NUMBER	DEPT.	ACT/SCN	MILESTONE DESCRIPTION	SUBNET	GR
A	2	00000	00050	411300	24APR64	SUPPORT EQUIPMENT SPEC.	MOSF	22
A	2	00000	00577	420000	21JAN65	PROCUREMENT COMPLETED	MOSF	22
A	7	00000	00060	041340	30OCT64	GROUND INSTAL. MAT. PLANNED	MOSF	22

NETWORK ID. TFSU  
SUMMARY ID. MDSF

M L *	DATE	CHARGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUMMARY	GR
A	21JAN65	T0411300	EN	411300	FN	F M	12		
A	10OCT64	T0041340	RY	041340	BY	F M	24	MDSF	26
A	18DEC64	T0041340	RY	041340	RY	F M	16	MDSF	26
A	24AUG64	T0041340	RY	041340	RY	F M	16	MDSF	26

NETWORK ID. TFSU  
SUBNET ID. MSG

W	PRED.	LUCC.	T	C	DESCRIPTION	A	M	B	YL	SCH.	ACTL.	DEPT.	SUBNET	GP
A		50	I		PROCURE MECH. MATERIAL								411300	MSG 20
A		40	I		ENG DESIGN RE-COM CHAMFER								411700	MSG 20
A	50	70			PLAN MECH MAT PROCUREMENT	176							411300	MSG 20
A	40	71			SHOP SPECS SURFACE TREAT DIVE	22							041220	MSG 20
A	40	72			SHOP SPECS STRUCTURAL DIVERS	22							041220	MSG 20
A	40	73			SHOP SPECS MACHINE DIVERS	22							041220	MSG 20
A	40	74			SHOP SPECS METAL DIVERS	22							041220	MSG 20
A	70	72			PROCURE MECH. MATERIAL	20							041340	MSG 20
A	71	75			SHOP WORK SURFACE TREAT DIVE	13							421425	MSG 20
A	72	71			DUMMY	0								MSG 20
A	72	75			SHOP WORK STRUCTURAL DIVERS	72							421340	MSG 20
A	73	75			SHOP WORK MACHINE	71							421200	MSG 20
A	72	71			DUMMY	0								MSG 20
A	74	75			SHOP WORK METAL	71							421320	MSG 20
A	72	74			DUMMY	0								MSG 20
A	75		I		SHOP WORK COMPLETED DIVERS	75							420000	MSG 20

NETWORK ID: TFSU  
SUBNET ID: MDSG

W L	PRED.	SUCC.	CHANGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUBNET	SR
A	2	0000	00040	411300	30NOV64	DESIGN DIVERS SUPPORT	MDSG	22
A	2	0000	00050	411300	24APR64	SUPPORT EQUIPMENT SPEC.	MDSG	22
A	2	0000	00075	420000	01JUN65	SHIP WORK COMPLETED	MDSG	22
A	7	0000	00070	411300	19JAN65	RECH MAT PROCUREMENT PLANNED	MDSG	22
A	7	0000	00071	041220	02JAN65	SHIP SPECS. DIVERS SURFACE	MDSG	22
A	7	0000	00072	041220	02JAN65	SHIP SPECS. DIVERS STRUCTURE	MDSG	22
A	7	0000	00073	041220	02JAN65	SHIP SPECS. DIVERS MACHINE	MDSG	22
A	7	0000	00074	041220	02JAN65	SHIP SPECS. DIVERS RETAL	MDSG	22

NETWORK ID. 1ESU  
SUBNET ID. 405G

N L #	DATE	CHANGE NUMBER	DEPT.	RCODE	T	HANDPOWER	COLLARS	SUBNET	GR
A	15 FEB 65	10041340	BY	041340	BY	E	M	32	
A	15 JAN 65	10411300	EN	411300	EN	E	M	64	405G 26
A	22 JAN 65	10041220	PL	041220	PL	F	M	16	405G 26
A	12 JAN 65	10041220	PL	41220	PL	F	M	16	405G 26
A	22 JAN 65	10041220	PL	041220	PL	F	M	16	405G 26
A	02 JAN 65	10041220	PL	041220	PL	F	M	16	405G 26
A	29 MAY 65	10421340	SS	421340	SS	F	M	16	405G 26
A	29 MAY 65	10421320	MS	421320	MS	F	M	16	405G 26
A	01 JUN 65	10421425	PN	421425	PN	F	M	32	405G 26
A	29 MAY 65	10421200	NN	421200	NN	F	M	16	405G 26

NETWORK IN: TFSU  
SUBNET 10: WDSH

A	B	C	DESCRIPTION	A	B	TL SCHL.	ACTL. DEPT.	SUBNET GR
A	90	80	INSPECTION VAN, RE-LOW CHANG	30			420010	WDSH 20
A	90	81	INSPECTION	1			420010	WDSH 20
A	81	82	DISASSEMBLY STRUCTURAL SHOP	7			421340	WDSH 20
A	82	90	INSPECTION	1			420010	WDSH 20
A	90	I	DISASSEMBLY	30			420010	WDSH 20

NETWORK ID. TESU  
SUBNET ID. MDSH

W L PPRD. SUCC.	CHARGE NUMBER	DEPT.	ACT/SCN	NELESTOM- DESCRIPTION	SUBNET	GR
A 2 0000 00080		420000	18MAY65	SHOP WORK COMPLETED	MDSH	22
A 2 0000 00090		420000	02JUN65	SUBASSEMBLY	MDSH	22
A 7 0000 00081		420010	19MAY65	INSPECTION	MDSH	22
A 7 0000 00082		421340	01JUN65	SUBASSEMBLY STRUCTURAL SHOP	MDSH	22

NETWORK ID. TESU  
SUBNET ID. MDSH

M L *	DATE	CHARGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUBNET	GM
A	19MAY65	T0420010	IN	420010	IN	E H	16	MDSH	26
A	02JUN65	T0420010	IN	420010	IN	E H	8	MDSH	26
A	01JUN65	T0421340	SS	421340	SS	E H	240	MDSH	26



NETWORK ID. 7551  
SUBNET ID. 4051

PRED.	SJCC.	T C	DESCRIPTION	A	N	B	TL	SCHL.	ACCL.	DEPT.	SUBNET	GR
A		502	1	START OF FINAL ASSEMBLY							420000	4051 20
A	502	90	9	SHOP WORK GROUND INSTALLATIO	85						422400	4051 20
A	40	91	9	SHOP WORK PATTEPN	11						421423	4051 20
A	91	92	9	FINAL ASSEMBLY	21						421340	4051 20
A	92	93	9	FINAL INSPECTION	1						420010	4051 20
A	75	91	7	INSPECTION	1						420010	4051 20
A	93	F		END MOBILE DIVING SUPPORT SY							411300	4051 20
A		75	1	SHOP WORK COMPLETED	75						420000	4051 20
A		90	1	START PATTERN SHOP	90						420000	4051 20

NETWORK ID. TFSU  
SUBNET ID. MDSI

N L	PRED.	SUCC.	CHARGE NUMBER	DEPT.	ACT/SCH	MILESTONE DESCRIPTION	SUBNET	GR
A 2	00000	10502		420000	21JAN65	SHOP WORK COMPLETED	MDSI	22
A 2	00000	00075		420000	01JUN65	SHOP WORK COMPLETED	MDSI	22
A 1	00000	00093		420000	17JUL65	TASK COMPLETED	MDSI	22
A 7	00000	00091		421423	18JUN65	SHOP WORK PATTERN	MDSI	22
A 7	00000	00092		421340	15JUL65	FINAL ASSEMBLY	MDSI	22

NETWORK ID. TESU  
SUBNET ID MDSI

M L *	DATE	CHANGE NUMBER	DEPT.	RCODE	T	MANPOWER	DOLLARS	SUBNET	GR
A	17JUL55	T0420010	IN 420010	IN	E M	8		MDSI	26
A	02JUN55	T0420010	IN 420010	IN	E M	16		MDSI	26
A	31MAY55	T0422450	GI 422450	GI	E M	160		MDSI	26
A	16JUL55	T0421340	SS 421340	SS	F M	360		MDSI	26
A	18JUN55	T0421423	PM 421423	PM	F M	120		MDSI	26

MON-DAY-YR	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
JAN	TUE 61	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000000
FEB	FRI 10*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000022
MAR	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000041
APR	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000062
MAY	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000084
JUN	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000106
JUL	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000126
AUG	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000148
SEP	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000170
OCT	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000190
NOV	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000213
DEC	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000233
JAN	WED 64	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000254
FEB	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000276
MAR	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000295
APR	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000317
MAY	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000339
JUN	MON 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000360
JUL	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000381
AUG	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000403
SEP	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000424
OCT	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000445
NOV	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000467
DEC	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000487
JAN	FRI 65	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000509
FEB	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000529
MAR	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000548
APR	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000571
MAY	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000593
JUN	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000613
JUL	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000635
AUG	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000656
SEP	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000678
OCT	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000699
NOV	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000720
DEC	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000741
JAN	SAT 66	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000763
FEB	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000783
MAR	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000802
APR	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000825
MAY	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000846
JUN	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000867
JUL	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000889
AUG	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000909
SEP	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000932
OCT	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000953
NOV	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000974
DEC	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	000995
JAN	SUN 67	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001016
FEB	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001037
MAR	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001056
APR	SAT 30	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001079
MAY	MON 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001099
JUN	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001121
JUL	SAT 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001143
AUG	TUE 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001163
SEP	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001186
OCT	SUN 00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001206
NOV	WED 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001225
DEC	FRI 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001249
JAN	MON 68	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001269
FEB	THU 00*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	001291



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( FFSU )  
( MDSA )

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			TERM (SPAN)- 01APR64 30DEC66 -CUT OFF DATE- 01APR64 -PLEASE DATE- 29APR65
LEVEL/SUMMARY ITEM- 4/		*0041220	

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TIME  
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PROJECT -- INITIAL DES

(TESU)  
(MOSA)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			TERM (SPAN)- 01APR64 30DEC66 CUT OFF DATE- 01APR64 FINRELEASE DATE- 28APR65
LEVEL/SUMMARY ITEM- 47		10411300	

ITEM	COST OF WORK \$ (000)								SCHEDULE				
	WORK PERFORMED TO DATE				TOTALS AT COMPLETION								
	VALUE	ACTUAL	(OVERRUN)	PLANNED	LATEST	PROJECTED	CRIT	COMPL	S-SCHED COMPL DATE	--TOTAL			
		COST	UNDERUN	COST	EST	(OVERRUN)	SLACK	DATE	A-ACTUAL COMPL DATE	--ITEM			
						UNDERUN	WKS		E-EARLIEST COMPL DATE--CRITICAL				
									L-LATEST COMPL DATE --ITEM				
LEV 04									1964	1965	47891L		
10411300	ENT								JFMA	JJASON	JFMA	JJASON	JY

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(TESU)  
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CONTRACT DESCRIPTION	REPORTING ORG.	CONTRACT NO.	REPORT DATES
LEVEL/SUMMARY ITEM- 4/		TC411300	01APR64 01APR64 28APR65

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(MNSC)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)- CUT OFF DATE- PLIRELEASE DATE-	01APR64 01APR66 28APR65
LEVEL/SUMMARY ITEM- 4/		041220	30DEC66

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)-	01APR64 301 C66
		CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		HYPERRELEASE DATE-	28APR65

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(TSU)  
(MSB)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			TERM (SPAN)- 01APR64 100EL66
			-CUT OFF DATE- 01APR64
LEVEL/SUMMARY ITEM- 4/		T0411300	ENDRELEASE DATE- 29APR65

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(MDS D)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
LEVEL/SUMMARY ITEM- 4/		T0041220	ITEM (SPAN)- 01APR64 CUT OFF DATE- 01APR64 PLTRFL-ASE DATE- 28APR65

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)-	01APR64 30DEC66
		-CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		PNR/RELEASE DATE-	28APR65
		T0421425	

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(MDS+)

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- ELECTRONICS

ITEMS  
INDSFI

CONTRACT DESCRIPTION		REPORTING ORGN.		CONTRACT NO.		REPORT DATES		
						ITEM (SPAN)-	01APR64 30DEC66	
						CUT OFF DATE-	01APR64	
LEVEL/SUMMARY ITEM- 4/				TD411300		RELEASE DATE-	2APR65	
ITEM	COST OF WORK \$ (000)						SCHEDULE	
	WORK PERFORMED TO DATE			TOTALS AT COMPLETION				
							S-SCHED COMPL DATE --TOTAL	
							A-ACTUAL COMPL DATE --ITEM	
							F-FARLIEST COMPL DATE--CRITICAL	
							L-LATEST COMPL DATE --ITEM	
	VALUE	ACTUAL	OVERRUN	PLANNED	LATEST	PROJECT/CRIT		
	COST	COST	UNDERUN	COST	EST	OVERRUN/SLACK	COMPL	
						UNDERUN/WRST	DATE	
LEV 04								
TD411300	END							

TIME  
NOW

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NEW



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(POSE)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		TERM (SPAN)-	01APR64 30DEC66
		CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		INIRELEASE DATE-	28APR65
		TO420010	

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(TF SU)  
(MOSE)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
LEV: /SUMMARY ITEM- 4/		T0421200	ITEM (SPAN)- 11APR64 -ICUT OFF DATE- 01APR64 MNRIFLASE DATE- 29APR65

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)	01APR64 30DEC66
		-ICUT OFF DATE-	01APR66
LEVFL/SUMMARY ITEM- 4/		TO421320	MSIPLEASE DATE- 29APR65

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- ELECTRONICS

(TESU)  
(NDSF)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			ITEM (SPAN) - 01APR64 30DEC66 CUT OFF DATE - 01APR64 SIRRELEASE DATE - 2APR65
LEVEL/SUMMARY ITEM- 47		T0421340	

ITEM	COST OF WORK \$ (000)							SCHEDULE											
	WORK PERFORMED TO DATE			TOTALS AT COMPLETION				S-SCHED COMPLE DATE --TOTAL A-ACTUAL COMPLE DATE --ITEM E-EARLIEST COMPLE DATE--CRITICAL L-LATEST COMPLE DATE --ITEM											
	VALUE	ACTUAL	(OVERRUN)	PLANNED	REV	(OVERRUN)	(LATEST)	PROJECTED	(LATEST)	COMPL	DATE	1964	1965	678910					
	COST	COST	UNDER	COST	EST	UNDER	UNKN	UNKN	UNKN	DATE		JFMAMJJASON	JFMAMJJASON						
LEV 04 T0421340	551																		

TIME  
NOW

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(MUSE)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
LEVFL/SUMMARY ITEM- 4/		77421420	ITEM (SPAN)- 01APR64 [CUT OFF DATE- 01APR64 PSIRLEAVE DATE- 28APR65

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TIME  
NOW

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MANAGEMENT SUMMARY REPORT

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- ELECTRONICS

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(HDSF)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			ITEM (SPAN)- 01APR64 30DEC64 -CUT OFF DATE- 01APR64 -RELEASE DATE- 24APR64
LEVEL SUMMARY ITEM- 47		TD427300	

ITEM	COST OF WORK & (1960)							SCHEDULE			
	WORK PERFORMED TO DATE			TOTALS AT COMPLETION				S-SCHED COMPL DATE --TOTAL			
	VALUE	ACTUAL	OVERRUN	PLANNED	LATEST	PROJECTED	THOST	A-ACTUAL COMPL DATE --ITEM			
	COST	COST	UNDERUN	COST	EST	UNDERUN	WKS	E-EARLIEST COMPL DATE--CRITICAL			
								L-LATEST COMPL DATE --ITEM			
LEV 04								1964	1965	67	1966
TD427300	ENT							JFMA	JJASON	JFMA	JJASON

TIME  
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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES	
			TERM (SPAN)-	21APR64
			CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		70411300	FWIRLSE DATE-	28APR65

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TIME  
NOW

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES		
			ITEM : SPAN1-	01APR64	30DEC64
			ICUT OFF DATE-	01APR64	
LEVEL/SUMMARY ITEM- 4/		17041340	BYRELEASE DATE-	28APR65	

IDENTIFICATION				TIME STATUS			COST OF WORK \$ ('000)					
CHARGE OR SUMMARY NUMBER	IL			SCHED ON	E + L	MOST	WORK PERFORMED TO DATE			TOTALS AT COMPLETION		
	IEI	FIRST	LAST	I ACT	(A) E + L	CRT.						
	EE	EVENT	EVENT	COMPL.	CONPL.	SLACK	VALUE	ACTUAL	((OVERRUN))	PLANNED	REVISED	((OVERRUN))
	EL	NO.	NO.	DATE	DATE	(WKS.)	COST	COST	((OVERRUN))	COST	EST	((OVERRUN))
T0041340	HYI41											

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)-	01APR64 30DEC65
		CUT OFF DATE-	31APR64
LEVEL/SUMMARY ITEM- 4/		10411300	29APR65

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- MECH

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(MDSG)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			TERM (SPAN) - 01APR64 30DEC64 CUT OFF DATE - 01APR64 RELEASE DATE - 28APR64
LEVEL/SUMMARY ITEM- 4/		10041220	

ITEM	COST OF WORK \$ 1000								SCHEDULE				
	WORK PERFORMED TO DATE				TOTALS AT COMPLETION				S-SCHED COMPL DATE --TOTAL				
	VALUE	ACTUAL	(OVERRUN)	PLANNED	VALUE	ACTUAL	(OVERRUN)	PLANNED	1-S-SCHED COMPL DATE --TOTAL	2-A-ACTUAL COMPL DATE --ITEM	3-E-EARLIEST COMPL DATE--CRITICAL	4-L-LATEST COMPL DATE --ITEM	
	COST	COST	UNDERUN	COST	COST	COST	UNDERUN	COST	DATE	DATE	DATE	DATE	TY
ITEM 04													
10041220	PL												

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12V 04  
T0411300

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CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
LEVEL 5 JANUARY 1964- 4/		104-1200	19640601-19640609

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TIME  
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(WSSG)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPRN)-	21APR64
		ICUT GFF DATE-	21APR64
LEVEL/SUMMARY ITEM- 47		MSIP/LEASE DATE-	27APR65

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'WSS)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		TERM (SPAN)-	01APR64 30DEC66
		CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITE - 47		19421340	SSRELEASE DATE- 28APR65

[illegible]

TIME  
NOW

PAGE 1

(TF SU)  
(MD SG)

TIME  
NOW

PAGE 1

(TF SU)  
(MSG)

223

PAGE 1

(TF SU)  
(MSG)

224

PAGE 1

BTESU  
(XMSG)

225

## PAGE 1

(TF SUB)  
 (NP SG)

226

PAGE 1

(1FSU)  
(M)SG)

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## PAGE 1

(TF SUB)  
(MSG)

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(TF SU;  
(KONG)

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PAGE 1

(TSSJ)  
(MSSH)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
LEVEL SUMMARY ITEM- 47		10420010	ITEM 15031- 01APR64 -ICUT OFF DATE- 01APR64 INTRELEAS DATE- 24APR65

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IRM PRT COST  
MANAGEMENT SUMMARY REPORT

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- SUBASSEMBLY

ITEMS  
INOSHI

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
			ITEM (SPAN) - 11APR64 107E0AA -CUT OFF DATE- 11APR64 SSIRELEASE DATE- 11APR65

ITEM	COST OF WORK (1964)								SCHEDULE				
	WORK PERFORMED TO DATE				TOTALS AT COMPLETION				S-SCHED COMPL DATE --TOTAL				
	VALUE	ACTUAL	OVERRUN	PLANNED	VALUE	ACTUAL	OVERRUN	PLANNED	A-ACTUAL COMPL DATE --ITEM	S-FARLIEST COMPL DATE--CRITICAL	L-LATEST COMPL DATE --ITEM		
	COST	COST	UNDERRUN	COST	COST	COST	UNDERRUN	COST	DATE	DATE	DATE	DATE	DATE
LEV 04													
Y0421340	SS												

TIME  
NOW



## PAGE 4

(TESU)  
(MDS4)

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PAGE 1

(TFSJ)  
(MDSI)

TIME  
NOW

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17500  
17500

235

## PAGE 1

(TF5J)  
(MDSI)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
		ITEM (SPAN)-	01APR64 30DEC66
		-CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		PMRELEASE DATE-	28APR65

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(YESU)  
(MDSI)

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- FINAL ASSEMBLY

(USU)  
(MST)[illegible]

PAGE 1

(TUSU)  
(MDSI)

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PAGE 1

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(- 512)

[illegible]

(TSUB)  
 (MDSI)

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## Page 1

(TF 54)

242

THM PERT COST  
PROGRAM/PROJECT STATUS REPORT

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE

ET-500

CONTRACT DESCRIPTION				REPORTING ORGN.		CONTRACT NO.		REPORT DATES						
				62				ITEM (SPAN)- CUT OFF DATE- RELEASE DATE-		01APR64 01APR64 28APR65		30DEC66		
LEVEL/SUMMARY ITEM- 1/						TO								
IDENTIFICATION				TIME STATUS				COST OF WORK \$ (000)						
CHARGE OR SUMMARY NUMBER	111		FIRST EVENT NO.	LAST EVENT NO.	SCHED. OR ACT. (DATE & L COMPL. DATE		MOIST. CRIT. SLACK (HRS)	WORK PERFORMED TO DATE			TOTALS AT COMPLETION			
	111				111			VALUE	ACTUAL COST	(OVERRUN) PLANNED COST	(OVERRUN) PLANNED COST	LATEST EST	(PROJECTED OVERRUN)	
	111				111									
TO	111												61	161
	111													
1004	121													
	111													
10041220	131													
	111													
10041220	PL141													
	111													
10041340	131													
	111													
10041340	RY141													
	111													
1041	121												41	(41)
	111													
10411300	131												31	(31)
	111													
10411300	RY141												31	(31)
	111													
10412400	131												11	(11)
	111													

EXPENDITURE  
PROGRAM/PROJECT STATUS REPORT

PAGE 2

PROGRAM -- TECHNICAL SUPPORT OPERATIONS

(FESU)

CONTRACT DESCRIPTION		REPORTING ORGN.		CONTRACT NO.		REPORT DATES						
		40				TERM (SPAN) -		01APR64		30DEC64		
LEVEL/SUMMARY ITEM - 1/				10		ICUT OFF DATE -		01APR64				
						IRELEASE DATE -		29APR65				
IDENTIFICATION				TIME STATUS			COST OF WORK \$ (000)					
CHARGE OR SUMMARY NUMBER	EUI			ESCHED OR		MOST	WORK PERFORMED TO DATE		TOTALS AT COMPLETION			
	121			ACT	LAST	CRIT.						
	FIRST EVENT NO.	LAST EVENT NO.	COMPL. DATE	COMPL. DATE	SLACK (WKS)	VALUE	ACTUAL COST	OVERCOST (OVERCOST)	PLANNED COST	LATEST EST	PROJECTED (OVERCOST)	
10412401	EN141										11	(1)
	11											
1042	121										21	(2)
	11											
10420010	131											
	11											
10420012	EN141											
	11											
10421200	131											
	11											
10421200	EN141											
	11											
10421320	131											
	11											
10421320	MS141											
	11											
10421340	131										11	(1)
	11											
10421340	SS141										11	(1)
	11											
10421420	131											
	11											

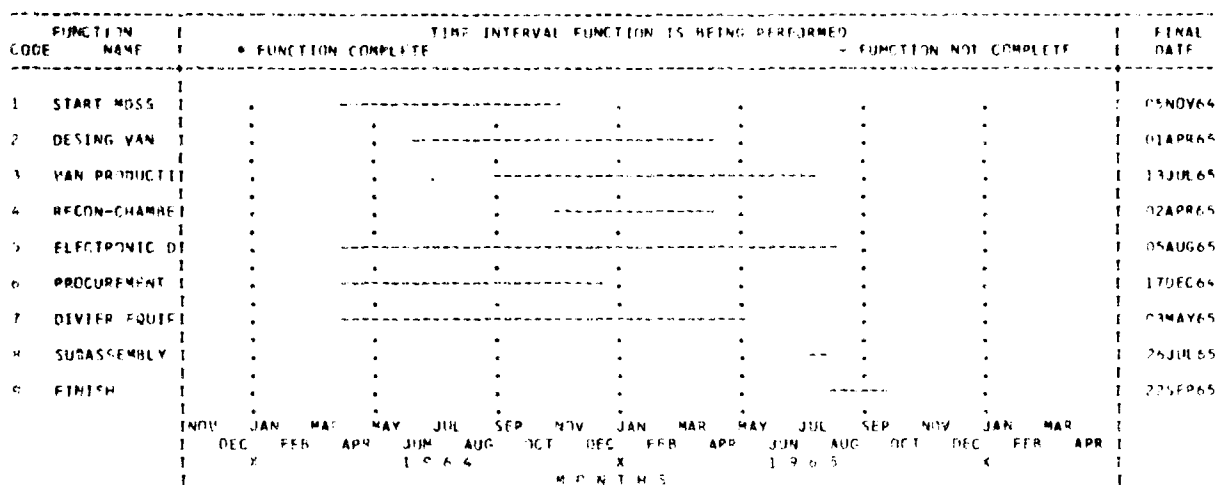


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PAGE 1

RUN DATE - 24 APR 64  
DATA DATE - 01 APR 64



## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE

( TESU )

RUN DATE- 28APR65  
DATA DATE 01APR66

LEVEL 1

BY PRIMARY SLACK

PREC EVENT	SUCG. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
MDSA 00000	MDSA 00011	S	START MOBILE DIVERS SUPPORT		+ .	A01APR64 X01APR64		411300
MDSA 00011	50 MDSA 00000	I	SPECIFY SUPPORT EQUIP.	1.6	+ .	X09APR64 X09APR64		411300
	50	I	SPECIFY SUPPORT EQUIPMENT	(00050)	+ .	X09APR64 X09APR64		411300
MDSI 00000	502	I	START OF FINAL ASSEMBLY	(00502)	+ .	X06APR65 X06APR65		420000
	502	90	SHOP WORK GROUND INSTALLATIO	9.5	+ .	05AUG65 05AUG65		422450
	90	00099	TASK COMPLETED	3.3	+ .	22SEP65 22SEP65		420000
MDSI 00059	MDSI 00000	F	END MOBILE DIVING SUPPORT SY		+ .	22SEP65 22SEP65		411300
MDSI 00000	90	I	START PATTERN SHOP	(00090)	+ .	05AUG65 05AUG65		420000
	75	MDSI 00099	TASK COMPLETED	10.0	+ .	22SEP65 22SEP65		420000
MDSA 00011	20 MDSA	I	SPECIFY VAN	5.1	+ .8	X12JUN64 X24JUN64		411300
	20	00000	SPECIFY VAN	(00020)	+ .9	X12JUN64 X24JUN64		411300
MDSA 00011	31 MDSA	I	GENERAL ENG. DESIGN	11.1	+ 7.0	X08SEP64 X16DEC64		411300
	31	00000	GENERAL ENGINEERING	(00031)	+ 7.0	X08SEP64 X16DEC64		411300
MDSI 00000	75	I	SHOP WORK COMPLETED	(00075)	+ 7.7	030APR65 19AUG65		420000
MDSA 00011	40 MDSA	I	ENG.DESIGN RECON-CHAM + DIVE	15.3	+ 7.8	X05NOV64 X01MAR65		411300
	40	00000	ENG.DESIGN RE-CON CHAMBER	(00040)	+ 7.4	X05NOV64 X01MAR65		411300

# EVENT ORIENTED DIAGRAM

PROG. TECHNICAL SUPPORT DIRECTORATE

LEVEL - 1 (TESU)

DATE-01APR64

PAGE 1

04-03-64

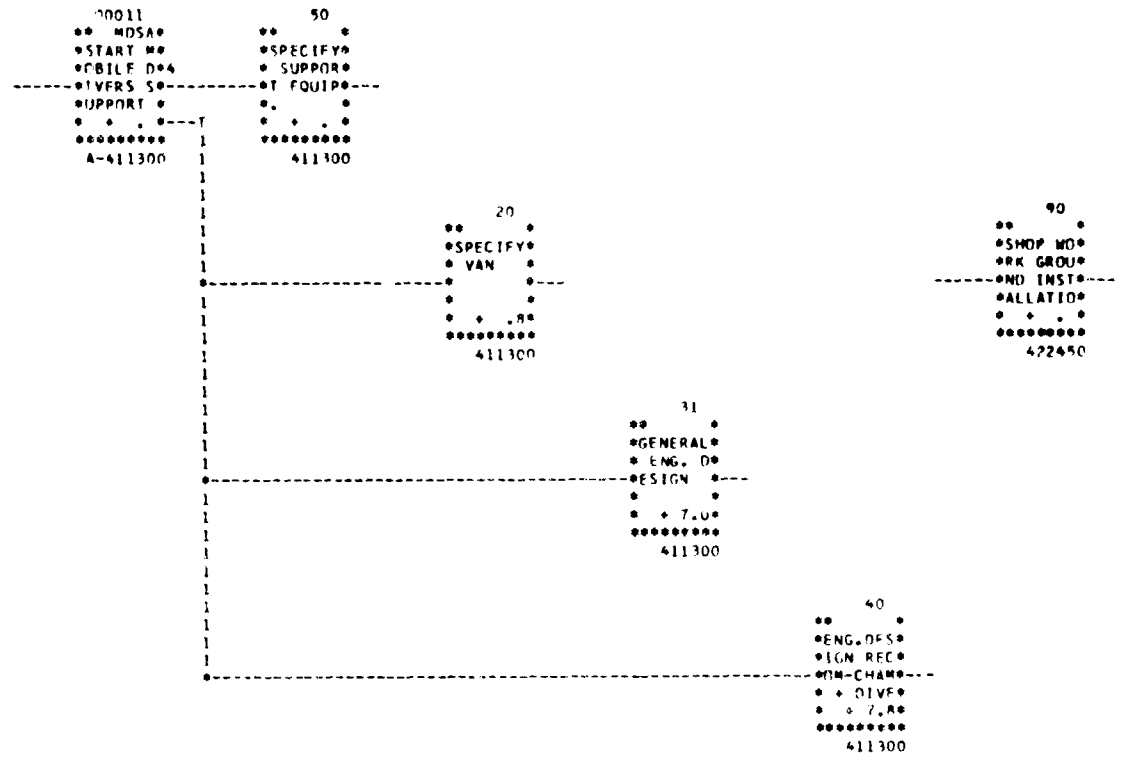
04-10-64

06-12-64

09-11-64

11-06-64

08-06-65



EVENT ORIENTED DIAGRAM

PRG. TECHNICAL SUPPORT DIRECTORATE  
09-24-65 09-24-65

LEVEL - 1 ( TFSU) DATE-01APR64 PAGE 2

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00093
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*TASK CO*
2*MCLETF*
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## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE

C TFSU 1

RUN DATE - 18APR65  
DATA DATE - 01APR65

LEVEL 2

BY PRIMARY SLACK

PREC EVENT	S TO EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SCEND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
MDSA 00000	MDSA 00011	S	START MOBILE DIVERS SUPPORT		* .	01APR64 01APR64		411300
MDSA 00011	50 00000	I	SUPPORT EQUIPMENT SPEC.	4.5	* .	01APR64 01APR64		411300
	50 00000	I	SPECIFY SUPPORT EQUIPMENT	(00050)	* .	01APR64 01APR64		411300
MDSF 00000	50 00000	I	SUPPORT EQUIPMENT SPEC.	(00050)	* .	01APR64 01APR64		411300
	50 00000	I	SHOP WORK COMPLETED	25.1	* .	01APR65 01APR65		420000
	502 00000	I	PRODUCTION GROUND INSTALLAT	(00502)	* .	01APR65 01APR65		041340
MDSG 00000	50 00000	I	SUPPORT EQUIPMENT SPEC.	(00050)	* .	01APR64 01APR64		411300
MDSF 00000	50 00000	I	SUPPORT EQUIPMENT SPEC.	(00050)	* .	01APR64 01APR64		411300
MDSI 00000	502 00000	I	SHOP WORK COMPLETED	(00502)	* .	01APR65 01APR65		420000
	502 00000	I	PRODUCTION COMPLETED	(00502)	* .	01APR65 01APR65		420010
	502 00000	I	SHOP WORK GROUND INSTALLATION	4.5	* .	01APR65 01APR65		422450
	90 00000	I	TASK COMPLETED	3.3	* .	22SEP65 22SEP65		420000
MDSI 00093	00000	F	END MOBILE DIVING SUPPORT SY		* .	22SEP65 22SEP65		411300
MDSI 00000	90 00000	I	START PATTERN SHOP	(00000)	* .	01APR65 01APR65		420000
	90 00000	I	SUBASSEMBLY	(00000)	* .	01APR65 01APR65		420010

## ACTIVITY TIME STATUS REPORT

PAGE 2

PROGRAM TECHNICAL SUPPORT DIRECTORATE

( TFSU )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL 2

RY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
75	MDSI 00093	9	TASK COMPLETED	10.0	+ .	22SEP65 22SEP65		420000
MDSA 00011	20 MDSA 00000	1	VAN SPECIFICATIONS	5.1	+ .8	X12JUN64 X24JUN64		411300
20	00000	1	SPECIFY VAN	(00020)	+ .8	X12JUN64 X24JUN64		411300
MDSB 00000	20	1	VAN SPECIFICATIONS	(00020)	+ .8	X12JUN64 X24JUN64		411300
20	23 MOSC 00000	2	PROCURE VAN MATERIALS	15.1	+ .8	X18JAN65 X28JAN65		041340
23	00000	1	VAN STRUCTURAL SHOP	(00023)	+ .8	X18JAN65 X28JAN65		420000
MDSR 00000	23	1	VAN STRUCTURAL SHOP	(00023)	+ .8	X18JAN65 X28JAN65		420000
23	32 MDSB 00000	2	DUMMY	.	+ .8	X18JAN65 X28JAN65		
32	00000	1	SHOP SPECS. MACHINE VAN	(00032)	+ .8	X18JAN65 X28JAN65		420000
32	MOSC 00000	1	SHOP SPECS. MACHINE VAN	(00032)	+ .8	X18JAN65 X28JAN65		420000
32	80 MOSC 00000	3	SHOP WORK COMPLETED	12.3	+ .8	13JUL65 23JUL65		420000
80	00000	1	SHOP WORK COMPLETED VAN	(00080)	+ .8	13JUL65 23JUL65		420000
MDSH 00000	80	1	SHOP WORK COMPLETED	(00080)	+ .8	13JUL65 23JUL65		420000
80	MDSA 00000	1	SHOP WORK COMPLETED VAN	(00080)	+ .8	13JUL65 23JUL65		421340
80	MDSO 00000	1	SHOP WORK COMPLETED RE-COMP	(00080)	+ .8	13JUL65 23JUL65		420000

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE

( 1551 )

RUN DATE: 28APR65  
DATA DATE: 01APR65

LEVEL 2

BY: PRIMARY SLACK

PREF EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
80	70	N	SUBASSEMBLY	4.0	+ 1.8	26 JUL 65 05 AUG 65		420000
MDSC 00000	31	1	GENERAL DESIGN	(000711)	+ 7.0	X08SEP64 X16DEC64		411300
	MDSA 00000	1	GENERAL ENGINEERING	(000711)	+ 7.0	X08SEP64 X16DEC64		411300
MDSA 00011	31	1	GENERAL DESIGN	11.1	+ 7.0	X08SEP64 X16DEC64		411300
	31	80	2 SHOP WORK COMPLETED	15.2	+ 7.0	X16APR65 23 JUL 65		420000
50	502	A	PROCUREMENT COMPLETED	17.6	+ 7.5	X17DEC64 X06APR65		420000
50	75	7	SHOP WORK COMPLETED	26.9	+ 7.7	03 APR 65 13 AUG 65		420000
	MDSG 00000	1	SHOP WORK COMPLETED DIVERS	(001751)	+ 7.7	03 APR 65 13 AUG 65		420000
40	75	7	SHOP WORK COMPLETED	12.2	+ 7.7	03 APR 65 13 AUG 65		420000
MDSI 00000	75	1	SHOP WORK COMPLETED	(001751)	+ 7.7	03 APR 65 13 AUG 65		420000
MDSA 00011	40	1	DESIGN DIVERS SUPPORT	15.3	+ 7.4	X05NOV64 X01MAR 65		411300
	MDSA 00000	1	ENG DESIGN RE-COM CHAMBER	(000401)	+ 7.4	X05NOV64 X01MAR 65		411300
MDSD 00000	40	1	DESIGN DIVERS SUPPORT	(00140)	+ 7.4	X05NOV64 X01MAR 65		411300
	40	41	4 SHOP SPICE STRUCTURAL RE-COM	4.0	+ 7.8	X15 JAN 65 X26 APR 65		041200
	MDSE 00000	1	PROCEDURE RE-COM CHAMBER	(000411)	+ 7.8	X15 JAN 65 X26 APR 65		411300



PROGRAM TECHNICAL SUPPORT OPERATOR

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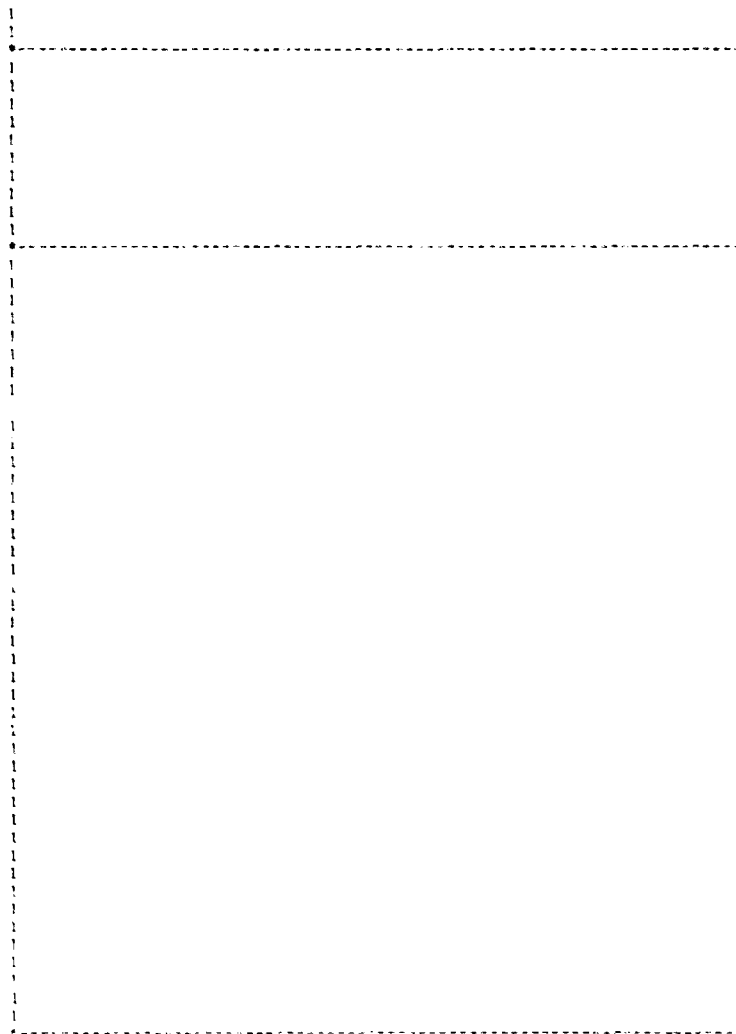
RIN DATE- 28APR65  
DATA DATE 01APR65

LEVEL 2

BY PRIMARY SLACK

PRCCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
MSG 00000	40	1	DESIGN DELIVER SUPPORT	100040	+ 7.4	X05NOV64 X01MAR65		411300
41	MSG 00000	1	PROCURE RE-CLIM CHAMBER	100000	+ 7.4	X05JAN65 X26APR65		411300
41	40	4	SHOP WORK COMPLETED	6.2	+ 7.4	X02APR65 24JUL65		420000
31	23	3	SHOP SPECS. STRUCTURAL VAN	2.0	+ 7.0	X06OCT64 X28JAN65		041220
23	40	2	SHOP WORK COMPLETED	5.2	+ 7.0	X01APR65 23JUL65		420000
31	32	3	SHOP SPECS. MACHINE VAN	2.0	+ 7.0	X06OCT64 X28JAN65		041220
40	40	4	SHOP WORK COMPLETED	10.0	+ 8.0	X01MAR65 1 JUL65		420000
50	59	5	INSPECTION	15.4	+ 9.0	X20NOV64 X31MAR65		420010
59	MSG 00000	1	PROCURE ELECTRONICS MATERIAL (030509)		+ 9.0	X20NOV64 X31MAR65		041340
59	MSG 00000	1	PROCURE ELECTRONICS MATERIAL (030509)		+ 8.0	X20NOV64 X31MAR65		041340
59	502	5	SHOP WORK COMPLETED	4.4	+ 9.0	X27NOV64 X04APR65		420000
50	58	6	PROCURE MAT. ELCC DEVICES	7.8	+10.0	X30JUL64 X31MAR65		041340
50	41	6	PROCURE RE-CLIM-CHAMBER	4.5	+19.0	X10AUG64 X26APR65		411300





EVENT ORIENTED DIAGRAM

PROG. TECHNICAL SUPPORT DIRECTORATE

LEFT (L) TEST (T)

DATE-DIAPRA4

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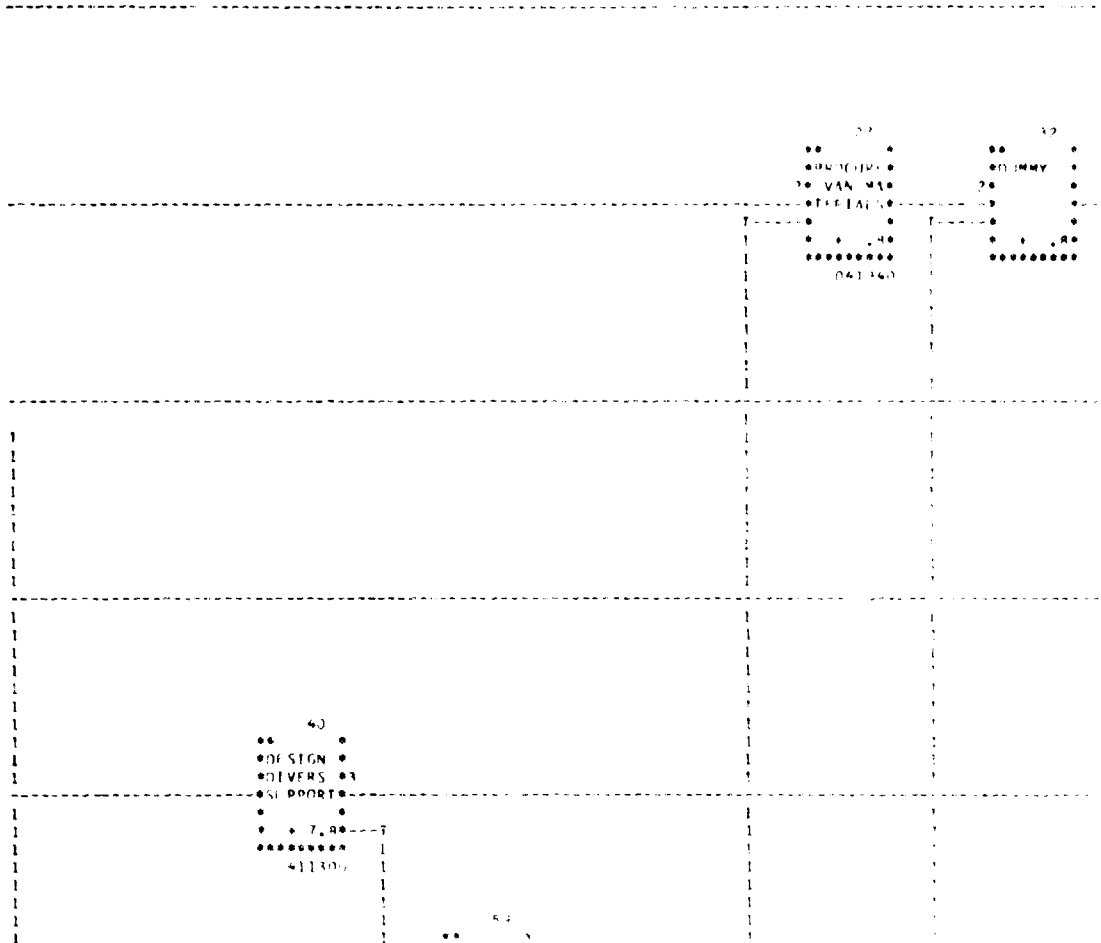
11-06-64

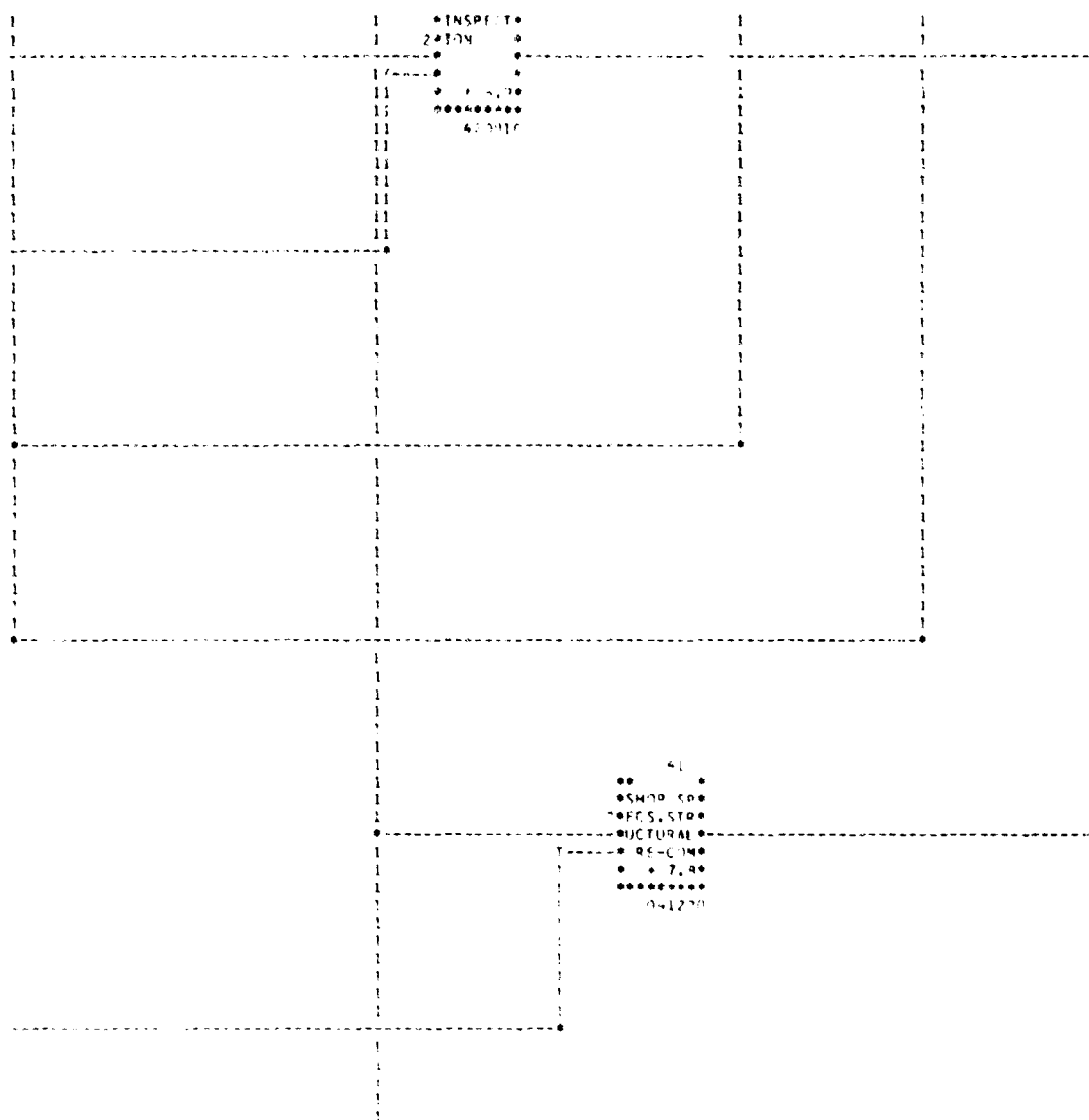
11-10-64

01-09-65

01-22-65

01-22-65







EVENT ORIENTED DIAGRAM

PRG. TECHNICAL SUPPORT DIRECTORATE

LEVEL - 2

( TFSU)

DATE-01APR64

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04-02-65

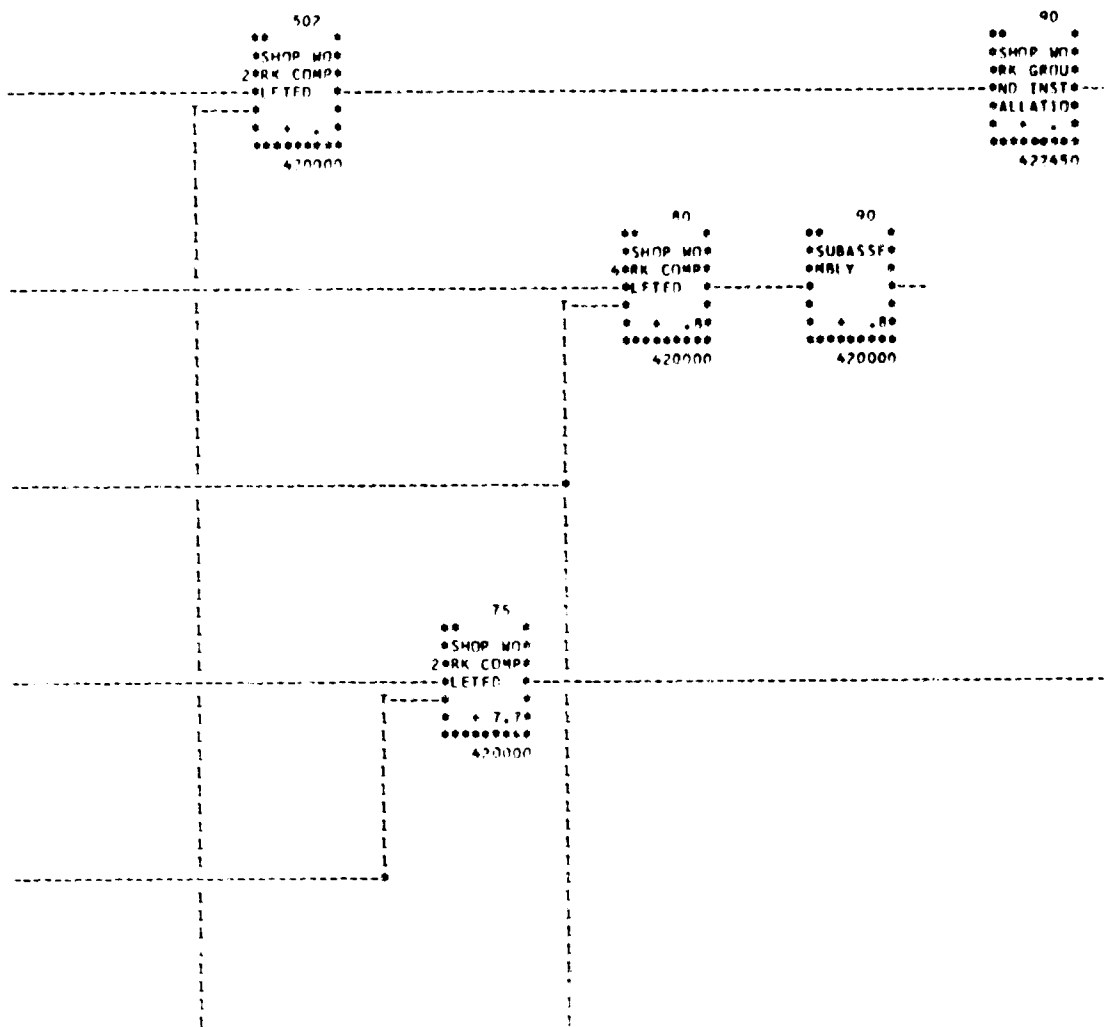
04-09-65

04-30-65

07-16-65

07-30-65

08-06-65



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# EVENT ORIENTED DIAGRAM

PRDG. TECHNICAL SUPPORT DIRECTORATE

LEVEL - 2

1. TEST

DATE - 01 APR 66

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00003  
 \*\* MD51\*  
 \* TASK LO\*  
 \* COMPLETED\*



# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT INITIAL DESIGN

( TFSU )  
( MDSA )

RUN DATE- 28APR64  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK PRIMR SECD	COMPLETION DATES		SCHED. DATE	DEPT.
				A	M	S		EXPECTED	LATEST		
00000	00011	5	START MOBILE DIVING SUPPORT	.	.	.	.	A01APR64	X01APR64		411300
00011	00010	1	CONFERENCE	.1	.	.	.	X02APR64	X02APR64		041220
00010	00012	1	DUMMY	.0	.	.	.	X02APR64	X02APR64		
00012	00050	1	SPECIFY SUPPORT EQUIP.	.5	.	.	.	X09APR64	X09APR64		411300
00050	00000	1	SPECIFY SUPPORT EQUIPMENT	1	50	.	.	X09APR64	X09APR64		411300
00011	00012	1	CONFERENCE	.1	.	.	.	X02APR64	X02APR64		411300
00012	00020	1	SPECIFY VAN	5.0	.	.	.	X12JUN64	X24JUN64		411300
00020	00000	1	SPECIFY VAN	1	20	.	.	X12JUN64	X24JUN64		411300
00012	00031	1	GENERAL ENG. DESIGN	11.0	.	.	.	X08SEP64	X16DEC64		411300
00031	00000	1	GENERAL ENGINEERING	1	11	.	.	X08SEP64	X16DEC64		411300
00012	00040	1	ENG.DESIGN RECON-CHAM + DIVE	15.2	.	.	.	X05NOV64	X01MAR65		411300
00040	00000	1	ENG.DESIGN RE-CON CHAMBER	1	40	.	.	X05NOV64	X01MAR65		411300

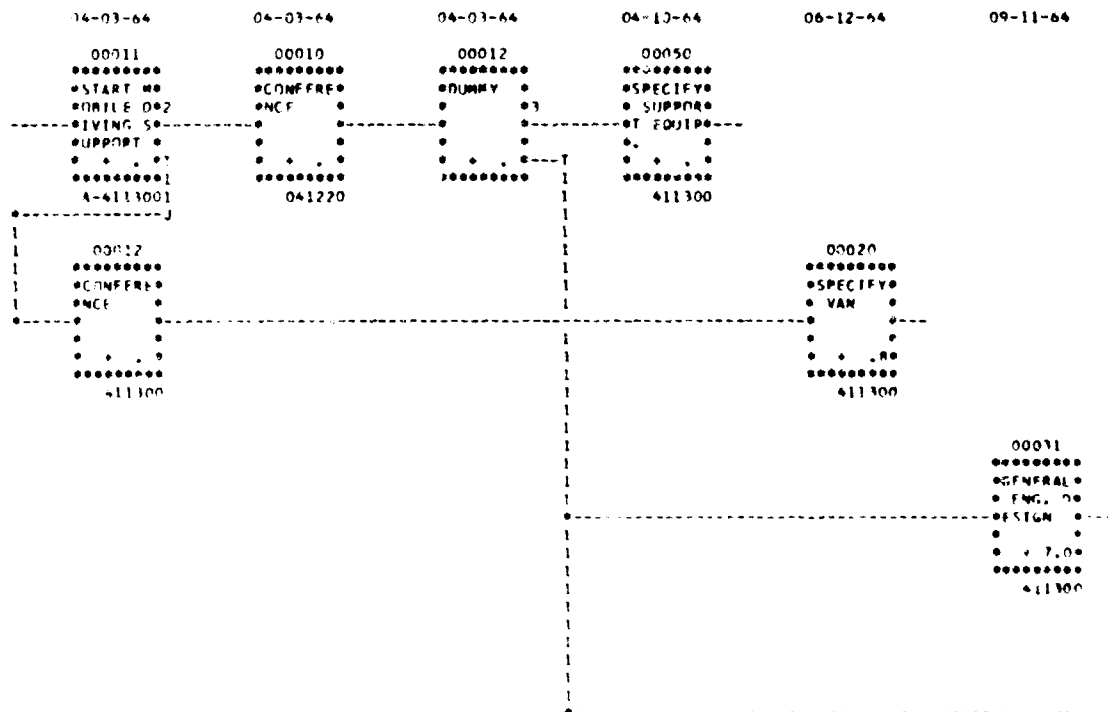
## ACTIVITY ORIENTED DIAGRAM

PROJ.-INITIAL DESIGN

LEVEL-DETAIL ( MDSA)

DATE-01APR64

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ACTIVITY ORIENTED DIAGRAM

PROJ.-INITIAL DESIGN

LEVEL-DETAIL 1 MOSA

DATE-01APR64

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\*ENG. DES\*  
\*IGN. WPC\*  
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\*CHAM-CHAM\*  
\* \* DIVE\*  
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4.11

# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN EXTERIOR

( TFSU )  
( MOSB )

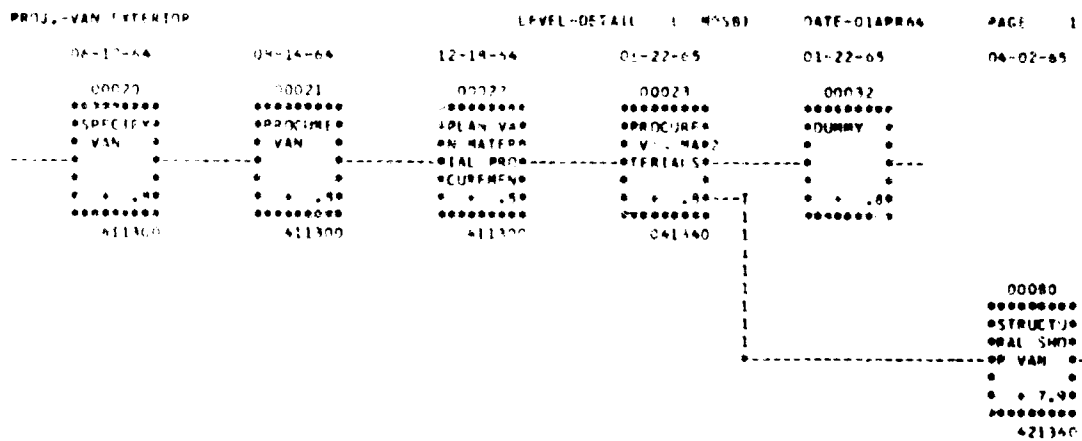
RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M H	SLACK PRIOR SECOND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00020	00020	1	SPECIFY VAN	0 001	0 0.1	X12JUN64 X26JUN64		411300
00020	00021	2	PROCURE VAN	0 0 0	0 0.1	X10AUG64 X26AUG64		411300
00021	00022	2	PLAN VAN MATERIAL PROCUREMENT	0 0 0	0 0.4	X16DEC64 X29DEC64		411300
00022	00023	2	PROCURE VAN MATERIALS	0 0 0	0 0.4	X18JAN65 X28JAN65		411340
00023	00032	2	DUMMY	0 0 0	0 0.4	X18JAN65 X28JAN65		420000
00032	00000	1	SHOP WORKS, MACHINE VAN	0 0 0	0 0.4	X18JAN65 X28JAN65		420000
00000	00023	1	VAN STRUCTURAL SHOP	0 0 0	0 0.4	X18JAN65 X28JAN65		420000
00000	00000	1	SHOP WORK COMPLETED VAN	0 0 0	0 0.4	13JUL65 23JUL65		421340
00023	00000	2	STRUCTURAL SHOP VAN	0 0 0	0 7.9	X01APR65 23JUL65		421340

## ACTIVITY ORIENTED DIAGRAM



# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN INTERIOR

( TESU )  
( MSC )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M S	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00032	00000	1	SHOP SPECS. MACHINE VAN	( 32 )	+ .8	X18JAN65 X28JAN65		420000
00023	00000	1	VAN STRUCTURAL SHOP	( 23 )	+ .4	X18JAN65 X28JAN65		420000
00032	00080	3	SHOP WORK MACHINE VAN	12.3	+ .8	13JUL65 23JUL65		421200
00080	00000	1	SHOP WORK COMPLETED	( 80 )	+ .8	13JUL65 23JUL65		420000
00000	00031	1	GENERAL ENGINEERING	( 31 )	+ 7.0	X08SEP64 X16DEC64		411300
00031	00034	3	SHOP SPECS. SURFACE TREAT VA	2.0	+ 7.0	X06OCT64 X15JAN65		041220
00034	00080	3	SHOP WORK SURFACE TREAT VAN	13.7	+ 7.0	X14APR65 23JUL65		421425
00031	00033	3	SHOP SPECS. METAL VAN	2.0	+ 7.1	X06OCT64 X18JAN65		041220
00033	00080	3	SHOP WORK METAL VAN	13.1	+ 7.1	X13APR65 23JUL65		421320
00031	00023	3	SHOP SPECS. STRUCTURAL VAN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00031	00032	3	SHOP SPECS. MACHINE VAN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00031	00035	3	SHOP SPECS. PATTERN VAN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00035	00080	3	SHOP WORK PATTERN VAN	12.3	+ 7.9	X01APR65 23JUL65		421425

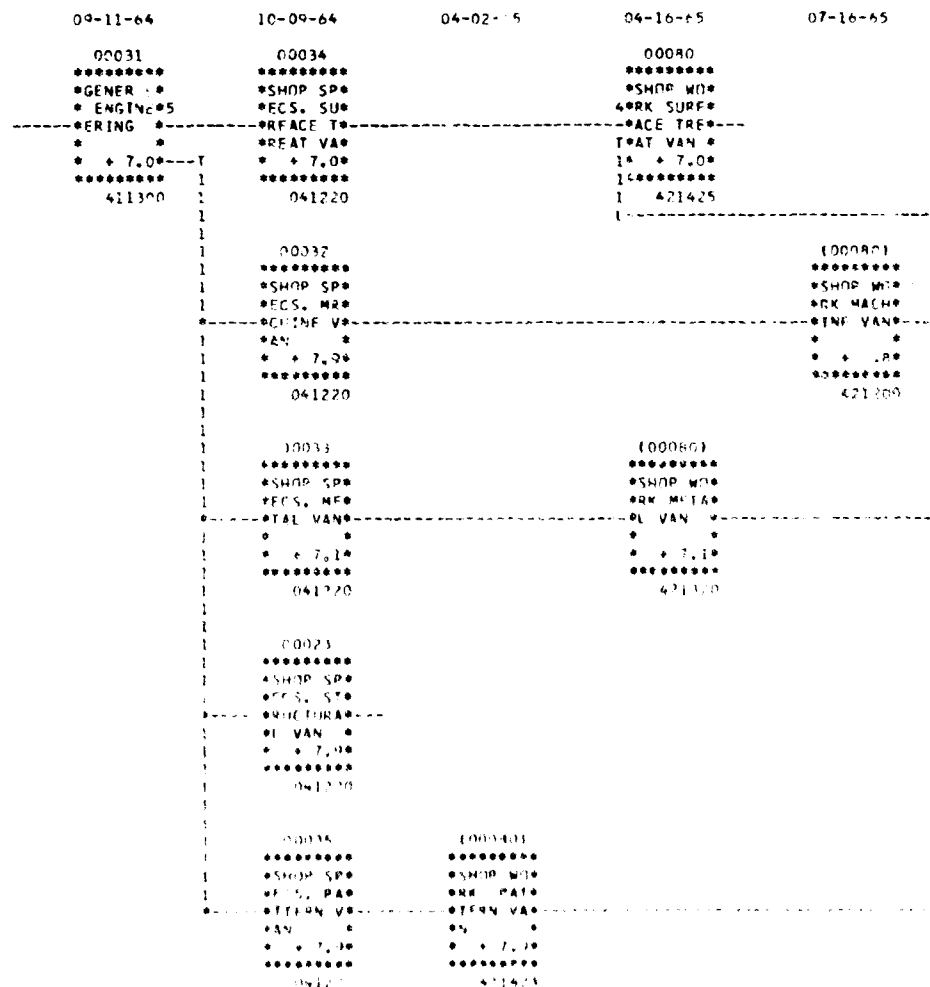
## ACTIVITY ORIENTED DIAGRAM

PROJ.-VAN INTERIOR

LEVEL-DETAIL ( MSC )

DATE-01APR64

PAGE 1



# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT RE-COMPRESSION CHAMBER

( YESU )  
( MOSO )

RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M B	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00000	1	SHOP WORK COMPLETED RE-COM	( 001 )	+ .8	13JUL65 23JUL65		420000
00000	00040	1	ENG. DESIGN RE-COM CHAMBER	( 401 )	+ 7.8	X05NOV64 X01MAR65		411300
00040	00041	4	SHOP SPECS. STRUCTURAL RE-COM	4.0 .	+ 7.8	X05JAN65 X26APR65		041220
00041	00000	1	PROCURE RE-COM CHAMBER	( 411 )	+ 7.8	X05JAN65 X26APR65		411300
00041	00080	4	SHOP WORK STRUCTURAL RE-COM	6.2 .	+ 7.8	X02APR65 23JUL65		421340
00040	00042	4	SHOP SPECS. SURFACE TREAT RE-	4.0 .	+ 8.0	X05JAN65 X26APR65		041220
00042	00080	4	SHOP WORK SURFACE TREAT RE-C	6.0 .	+ 8.0	X01MAR65 23JUL65		421425

## ACTIVITY ORIENTED DIAGRAM

PROJ.-RE-COMPRESSION CHAMBER

LEVEL-DETAIL ( MOSO )

DATE-01APR64

PAGE 1

11-04-64	01-08-65	04-02-65
00040	00041	00080
*****	*****	*****
*ENG. DE*	*SHOP SP*	*SHOP WD*
*SIGN RF#2	*ECS. ST*	*RK SUR*
-----	-----	-----
*-COM CH*	*STRUCT*	*STRUCT*
*AMBER *	*RE-COM*	*RE-COM *
* + 7.8*--T	* + 7.8*	* + 7.8*
*****	*****	*****
411300	041220	1 421340
1	1	1
1	1	1
1	00042	(00080)
1	*****	*****
1	*SHOP SP*	*SHOP WD*
1	*ECS. SUR*	*RK SUR*
1	-----	-----
	*FACE TR*	*FACE TR*
	*TAT RE*	*TAT RE*
	* + 8.0*	* + 8.0*
	*****	*****
	041220	421425

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT ELECTRONICS( TFSU )  
( MOSF )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M H	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00050	1	SPECIFY SUPPORT EQUIPMENT	( 50 )	0 0	X09APR64 X09APR64		411300
00050	00052	5	ENG. DESIGN ELECTRONIC DEVICE	10.5	0 0	X08SEP64 X08SEP64		412400
00052	00051	5	DUMMY	.0	0 0	X08SEP64 X08SEP64		
00051	00002	5	SHOP SPECS. GROUND INSTALLAT	14.6	0 0	X06APR65 X06APR65		041270
00002	00000	1	PRODUCTION COMPLETED	( 502 )	0 0	X06APR65 X06APR65		420010
00050	00051	5	ENG. DESIGN EQUIP. INSTALL VAN	10.5	0 0	X08SEP64 X08SEP64		412400
00041	00000	1	PROCURE RE-COM CHAMBER	( 41 )	0 7.8	X05JAN65 X26APR65		411300
00051	00058	5	SHOP SPECS. STRUCTURAL	.9	0 8.9	X18SEP64 X26JUN65		041220
00058	00000	5	SHOP WORK STRUCTURAL	4.4	0 8.9	X19NOV64 X10MAR65		421320
00000	00059	5	INSPECTION	.1	0 8.9	X20NOV64 X11MAR65		420010
00059	00000	1	PROCURE ELECTRONICS MATERIAL	( 59 )	0 8.9	X20NOV64 X11MAR65		041340
00059	00001	5	SHOP WORK ELECTRONIC DEVICES	.3	0 8.9	X25NOV64 X05APR65		4 2300
00001	00002	5	INSPECTION	.1	0 8.9	X27NOV64 X06APR65		420010
00051	00055	5	SHOP SPECS METAL	.8	0 9.1	X18SEP64 X28JAN65		041220
00055	00000	5	SHOP WORK METAL	4.2	0 9.1	X17NOV64 X10MAR65		421320
00051	00054	5	SHOP SPECS. MACHINE	.8	0 9.3	X18SEP64 X01FEG65		041220
00054	00000	5	SHOP WORK MACHINE	4.0	0 9.3	X13NOV64 X10MAR65		421200
00051	00057	5	SHOP SPECS. SURFACE TREATMEN	.9	0 9.4	X18SEP64 X07FEG65		041220
00057	00000	5	SHOP WORK SURFACE TREATMENT	3.9	0 9.4	X12NOV64 X10MAR65		421420
00051	00056	5	PROCURE POWER EQUIPMENT	.7	0 9.5	X10SEP64 X26JAN65		411300
00056	00000	5	DUMMY	.0	0 9.5	X10SEP64 X26JAN65		
00051	00059	5	SHOP SPECS. ELECTRONICS	.7	0 13.5	X17SEP64 X11MAR65		041220
00050	00041	5	PROCURE RE-COM-CHAMBER	8.4	0 14.0	X10AUG64 X26APR65		411300



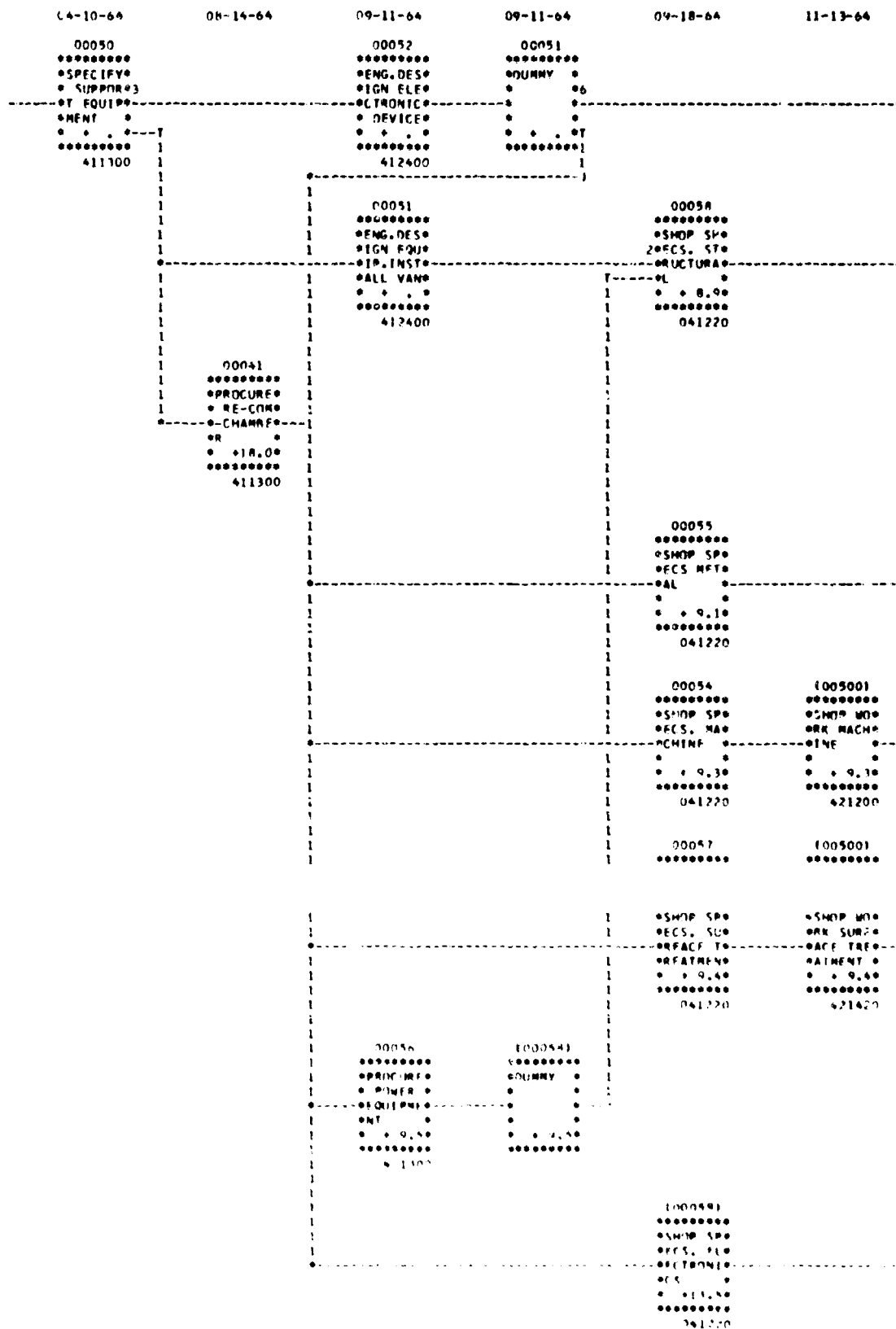
# ACTIVITY ORIENTED DIAGRAM

PROJ.-ELECTRONICS

LEVEL-DETAIL ( MDSE)

DATE-01APR64

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04-09-45

```

00502
*****
*SMNP SP*
2*ECS. CR*
--*OUND IN*
--*STALLAT*
*   *   *
*****
041220

```

00500	00049	00501	(00001)
*****	*****	*****	*****
SHOP W/	INSPECT	SHOP W/	INSPECT
WORK STRU	20104	ORK FLEC	ION
ACTUAL		TRONIC	
Y	Y	NEVICFS	
10 + 8.90	10 + 8.90	10 + 8.90	10 + 8.90
*****	*****	*****	*****
1 421320	1 420010	422300	420010

```

      (00503)
      *****
      *SHOP MO*
      *RK MFT*
      *AL      *
      *      *
      *  * 9.1*
      ******
      421320
  
```

[illegible]

## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT DIVERS SUPPORT EQUIPMENT(TESI)  
(MOSF)RUN DATE: 28APR65  
DATA DATE 01APR64

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M S	SLACK PRIMR SCND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00350	I	PROCURE	( 50)	+ .	X09APR64 X09APR64		411300
00302	00000	I	PROCUREMENT GROUND INSTALLAT	( 502)	+ .	X06APR65 X06APR65		041340
00050	00302	A	PROCURE DIVERS SUPPORT EQUIP	17.5 . .	+ 7.5	X17DEC64 X06APR65		411300
00059	00000	I	PROCURE ELECTRONICS MATERIAL	( 59)	+ 8.9	X20NOV64 X31MAR65		041340
00060	00360	6	PLAN PROCURE GROUND INST. MAT	12.4 . .	+ 9.5	X05OCT64 X18FEB65		412400
00060	00302	6	PROCURE MAT GROUND INSTALLAT	3.2 . .	+ 9.5	X18NOV64 X06APR65		041340
00050	00059	6	PROCURE MAT ELEC DEVICES	7.8 . .	+16.9	X30JUL64 X31MAR65		041340

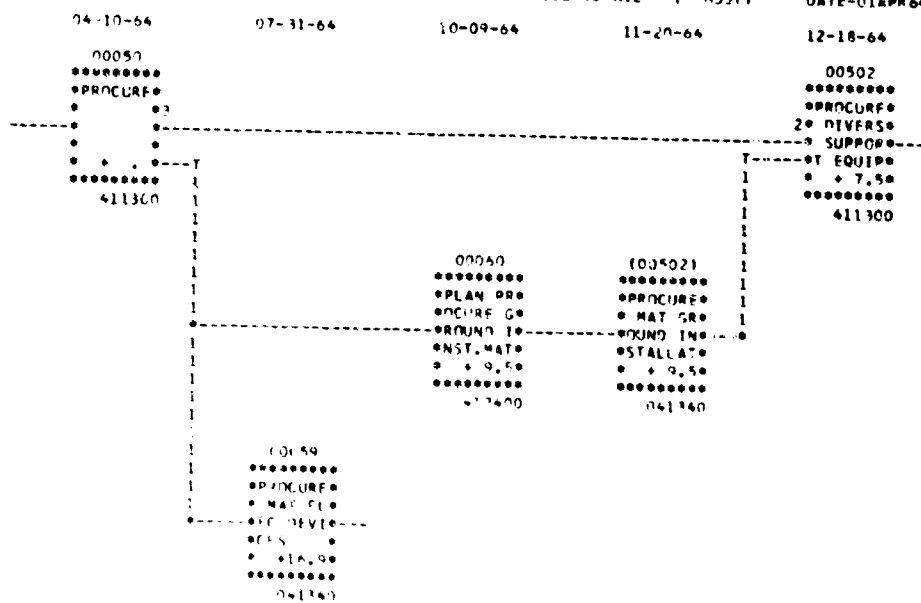
## ACTIVITY ORIENTED DIAGRAM

PRJL-DIVERS SUPPORT EQUIPMENT

LEVEL-DETAIL ( MOSF)

DATE-01APR64

PAGE 1



## ACTIVITY TIME STATUS REPORT

PAGE 1

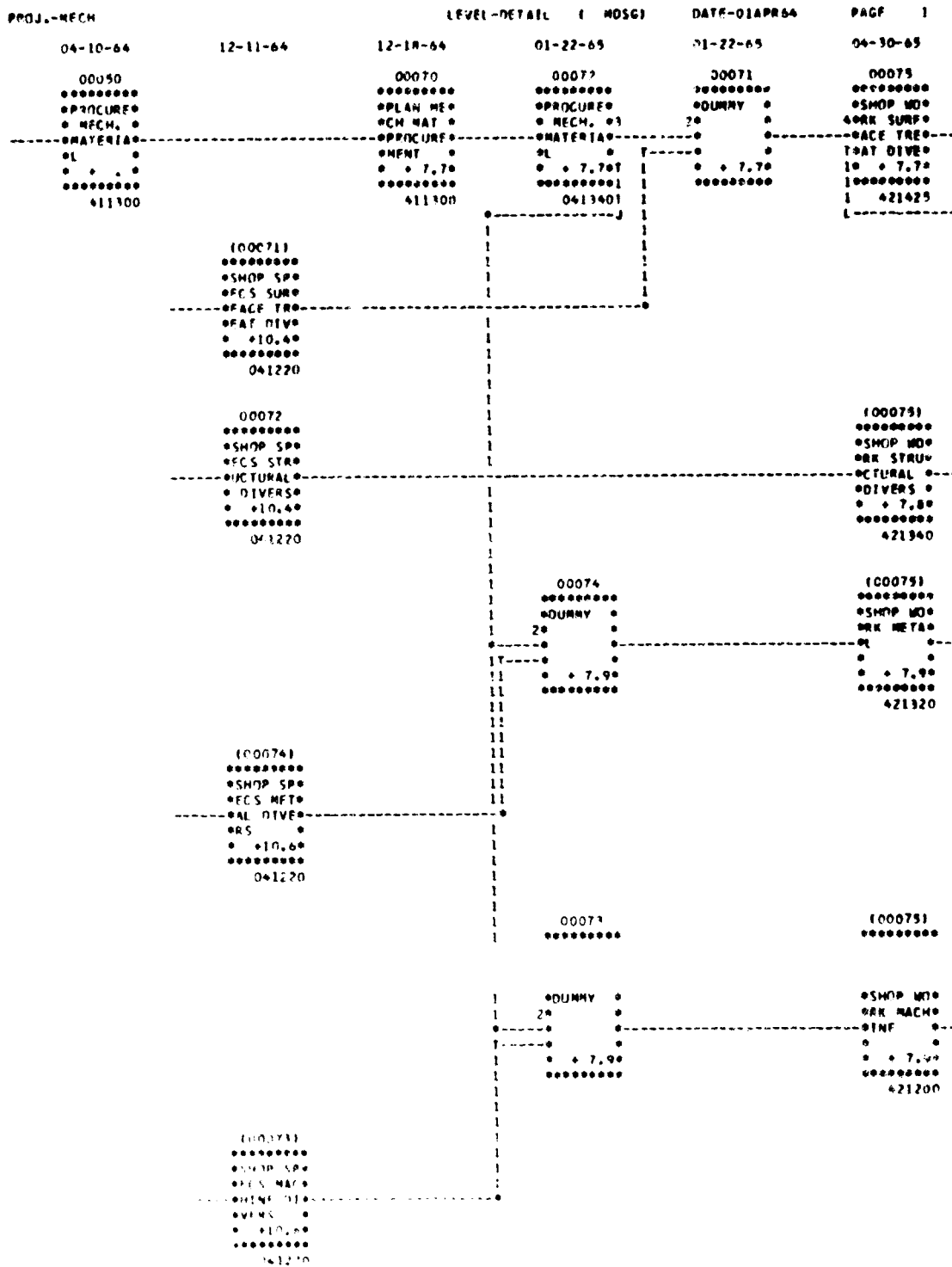
PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT MECH( TFSU )  
( MSG )RUN DATE- 28APR65  
DATA DATE 01APR65

LPVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A M A	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00050	I	PROCURE MECH. MATERIAL	( 30 )	+	X09APR64 X09APR64		411300
00050	00070	7	PLAN MECH. MAT PROCUREMENT	17.6	+	X17DEC64 X09APR65		411300
00070	00072	7	PROCURE MECH. MATERIAL	2.0	+	X18JAN65 006MAY65		041340
00072	00071	7	DUMMY	.0	+	X18JAN65 006MAY65		
00071	00075	7	SHOP WORK SURFACE TREAT DIVE	7.3	+	X10APR65 19AUG65		421424
00075	00000	I	SHOP WORK COMPLETED DIVERS	( 75 )	+	X10APR65 19AUG65		420000
00000	00040	I	ENG DESIGN RE-COM CHAMBER	( 40 )	+	X05NOV64 X01MAR65		411300
00072	00075	7	SHOP WORK STRUCTURAL DIVERS	7.2	+	X29APR65 19AUG65		421340
00072	00074	7	DUMMY	.0	+	X18JAN65 010MAY65		
00074	00075	7	SHOP WORK METAL	7.1	+	X28APR65 19AUG65		421320
00072	00071	7	DUMMY	.0	+	X18JAN65 010MAY65		
00073	00075	7	SHOP WORK MACHINE	7.1	+	X28APR65 19AUG65		421200
00040	00071	7	SHOP SPECS SURFACE TREAT DIV	2.2	+	X08DEC64 006MAY65		041220
00040	00072	7	SHOP SPECS STRUCTURAL DIVERS	2.2	+	X08DEC64 006MAY65		041220
00040	00073	7	SHOP SPECS MACHINE DIVERS	2.2	+	X08DEC64 010MAY65		041220
00040	00074	7	SHOP SPECS METAL DIVERS	2.2	+	X08DEC64 010MAY65		041220

# ACTIVITY ORIENTED DIAGRAM



# ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT SUBASSEMBLY

( TFSU )  
( WDSH )

RUN DATE- 29APR65  
DATA DATE 01APR65

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUCC. PRVY	C	ACTIVITY DESCRIPTION	TIME ESTIMATES			SLACK	COMPLETION DATES	SCHED. DATE	DEPT.
				A	M	R				
00090	00000	I	SUBASSEMBLY	(	90)			05AUG65	05AUG65	420010
00000	00090	I	INSPECTION VAN, RE-COM CHAMB	(	90)			13JUL65	23JUL65	420010
00000	00091	R	INSPECTION	.1				14JUL65	21JUL65	420010
00001	00092	R	SUBASSEMBLY STRUCTURAL SHOP	.7				23JUL65	04AUG65	421360
00092	00090	R	INSPECTION	.1				06JUL65	05AUG65	420010

## ACTIVITY ORIENTED DIAGRAM

PROJ.-SUBASSEMBLY

LEVEL-DETAIL ( WDSH )

DATE-01APR65

PAGE 1

07-16-65	07-14-65	07-23-65	07-30-65
00091	00091	00092	00092
*****	*****	*****	*****
*INSPECT*	*INSPECT*	*SUBASSEM*	*INSPECT*
*ION VAN*	*ION *	*STRUCT*	*ION *
-----	-----	-----	-----
*RE-COM*	*RE-COM*	*RE-COM*	*RE-COM*
*CHAMB*	*CHAMB*	*CHAMB*	*CHAMB*
* * *	* * *	* * *	* * *
*****	*****	*****	*****
420010	420010	421360	420010

# ACTIVITY TIME STATUS REPORT

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT FINAL ASSEMBLY

( TFSH )  
( MDSH )

PAGE 1

RUN DATE- 20APR65  
DATA DATE 01APR66

LEVEL DETAIL

BY PRIMARY SLACK

PREC EVENT	SUC EVENT	C	ACTIVITY DESCRIPTION	TIME ESTIMATES A N A	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00002	1	START OF FINAL ASSEMBLY	( 502 )	* *	000APR65 000APR65		470000
00002	00000	5	SHIP WORK CRUINO INSTALLATIO	5.5	* *	05AUG65 05AUG65		422450
00090	00001	9	SHIP WORK PATTERN	1.1	* *	20AUG65 20AUG65		421423
00091	00092	9	FINAL A-SEMBLY	2.1	* *	21SEP65 21SEP65		421340
00092	00093	9	FINAL INSPECTION	.1	* *	22SEP65 22SEP65		420010
00093	00000	1	END MONTH DIVING SUPPORT SV	.	* *	22SEP65 22SEP65		41:300
00000	00000	1	START PATTERN SHIP	( 903 )	* *	05AUG65 05AUG65		420000
00000	00075	1	SHIP WORK COMPLETED	( 751 )	* 7.7	030APR65 14AUG65		420000
00075	00091	7	INSPECTION	.1	* 7.7	003MAY65 20AUG65		420010

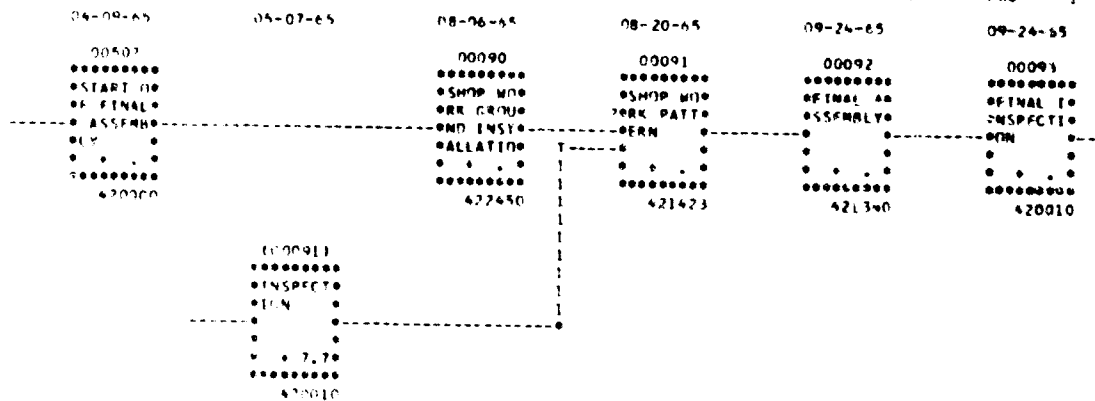
## ACTIVITY ORIENTED DIAGRAM

PROJ.-FINAL ASSEMBLY

LEVEL-DETAIL ( MDSH )

DATE-01APR66

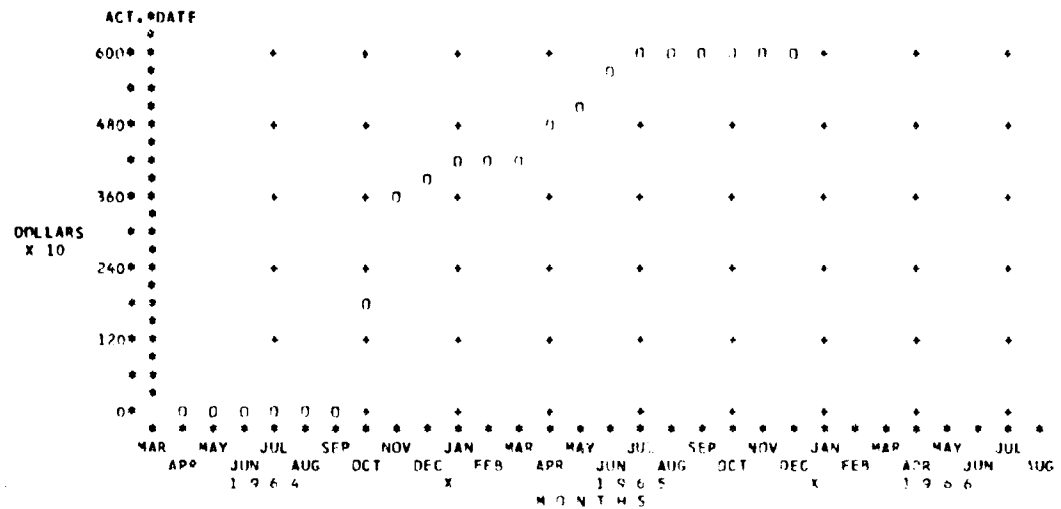
PAGE 1



IBM PART COST  
PROGRAM OUTLOOK GRAPH - TIME VS DOLLARS -

PROGRAM DESCRIPTION - TECHNICAL SUPPORT DIRECTORATE  
PROGRAM IDENTIFICATION - TESU

RUN DATE - 28 APR 65  
DATA DATE - 01 APR 64



LEGEND

A - ACTUALS TO DATE  
B - BUDGETED  
O - OUTLOOK  
V - VALUE OF WORK

FINAL OUTLOOK

ITEM	DOLLARS X 10	TIME MONTHS
ACTUALS TO DATE	0	0
BUDGETED TO DATE	0	
TO DATE OVER/UNDER RUN	0	
OUTLOOK TO COMPLETION	600	21
BUDGET TO COMPLETION	0	0
PRED. OVER/UNDER RUN	600	21

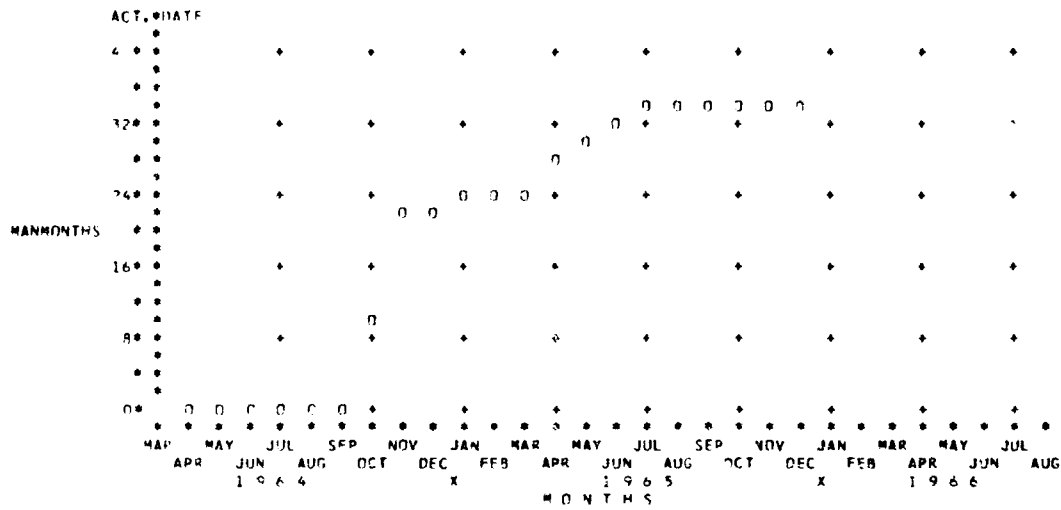


IBM PERT COST

PROGRAM OUTLOOK GRAPH - TIME VS MANMONTHS -

PROGRAM DESCRIPTION - TECHNICAL SUPPORT DIRECTORATE  
PROGRAM IDENTIFICATION - TESU

RUN DATE - 28 APR 65  
DATA DATE - 01 APR 64



LEGEND

A - ACTUALS TO DATE  
B - BUDGETED  
O - OUTLOOK

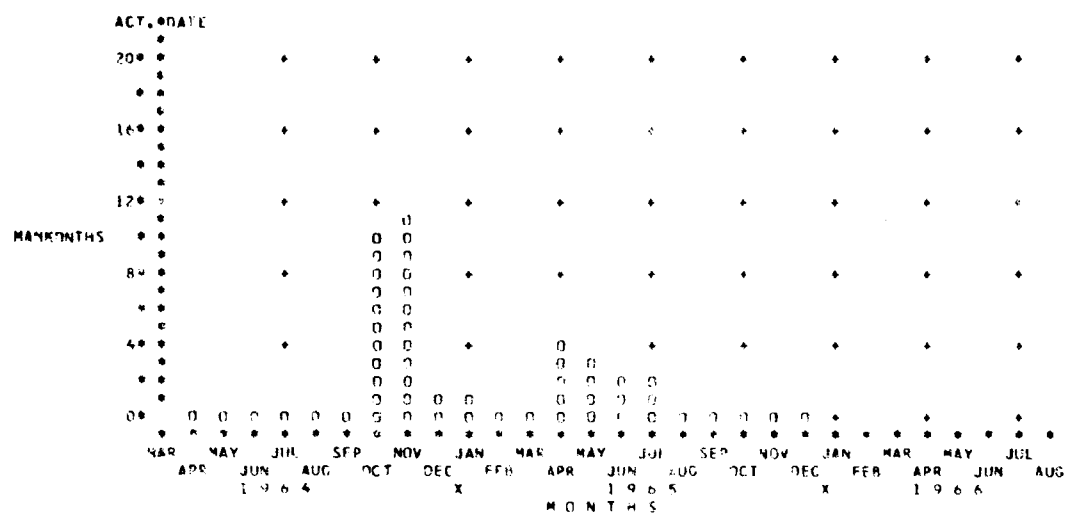
FINAL OUTLOOK

ITEM	MANMONTHS	TIME MONTHS
ACTUALS TO DATE	0	0
BUDGETED TO DATE	0	0
TO DATE OVER(UNDER) RUN	0	
OUTLOOK TO COMPLETION	34	21
BUDGET TO COMPLETION	0	0
PRED. OVER(UNDER) RUN	34	21

I R M   P E R T   C O S T  
P R O G R A M   I N C R E M E N T A L   O U T L O O K   C H A R T   - T I M E   V S   M A N M O N T H S -

PROGRAM DESCRIPTION - TECHNICAL SUPPORT DIRECTORATE  
PROGRAM IDENTIFICATION - TSSU

PUN DATE - 28 APR 65  
DATA DATE - 01 APR 64



LEGEND

A - ACTUALS TO DATE  
B - BUDGETED  
O - OUTLOOK

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INM PERT COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TFSU)

CONTRACT DESCRIPTION		REPORTING ORGN.		CONTRACT NO.		REPORT DATES				
		40.				TERM (SPAN)-	01APR64	30DEC66		
LEVEL/SUMMARY ITEM- 1/				TO		CUT OFF DATE-	01APR64			
						RELEASE DATE-	28APR65			
MONTH	CHARGE NUMBER	INCREMENTAL COST				CUMULATIVE COST				REMARKS
		ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	
APR 64	TT0041220	PLI		101	(101)			101	(101)	
	TT0411300	ENI		351	(351)			351	(351)	
	TOTAL			451	(451)			451	(451)	
JUL 64	TT0411300	ENI		251	(251)			601	(601)	
	TOTAL			251	(251)			701	(701)	
AUG 64	TT0041340	HYI		151	(151)			151	(151)	
	TOTAL			151	(151)			851	(851)	
SEP 64	TT0411300	ENI		101	(101)			701	(701)	
	TOTAL			101	(101)			951	(951)	
OCT 64	TT0041220	PLI		1701	(1701)			1801	(1801)	
	TT0041340	HYI		251	(251)			401	(401)	
	TT0411300	ENI		9101	(9101)			9801	(9801)	
	TT0412400	ENI		6401	(6401)			5401	(6401)	
	TOTAL			1,7451	(1,7451)			1,8401	(1,8401)	
NOV 64	TT0411300	ENI		1,8301	(1,8301)			2,8101	(2,8101)	
	TOTAL			1,8301	(1,8301)			3,6701	(3,6701)	
DEC 64	TT0041220	PLI		601	(601)			2401	(2401)	
	TT0041340	HYI		151	(151)			351	(351)	
	TT0420010	INT		251	(251)			251	(251)	
	TT0421200	MNT		101	(101)			101	(101)	
	TT0421320	MSI		1101	(1101)			1101	(1101)	
	TT0421340	SSI		101	(101)			101	(101)	

LOW PERT COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

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PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TFSU)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATES					
		40.			TERM (SPAN)-	01APR64	30DEC64			
LEVEL/SUMMARY ITEM- 1/			TO		CUT OFF DATE- (RELEASE DATE)-	01APR64 28APR65				
MONTH	CHARGE NUMBER	INCREMENTAL COST				CUMULATIVE COST				REMARKS
		ACTUAL	PLANNED	LATEST (REVISED) EST.	(OVER) UNDER PLAN	ACTUAL	PLANNED	LATEST (REVISED) EST.	(OVER) UNDER PLAN	
JAN 65	IT0422300	EMI		251	(251)			251	(251)	
	TOTAL			251	(251)			3,925	(3,925)	
	IT0411300	EMI		1351	(1351)			2,945	(2,945)	
	TOTAL			1351	(1351)			4,060	(4,060)	
FEB 65	IT0041220	PLI		101	(201)			260	(260)	
	IT0041340	RYI		551	(551)			1101	(1101)	
	TOTAL			751	(751)			4,135	(4,135)	
	IT0041220	PLI		151	(151)			275	(275)	
APR 65	IT0421200	MNI		301	(801)			901	(901)	
	IT0421340	SSI		4151	(4151)			4251	(4251)	
	IT0421423	PMI		801	(801)			801	(801)	
	IT0421425	PMI		251	(251)			251	(251)	
MAY 65	TOTAL			611	(615)			4,750	(4,750)	
	IT0420010	INI		151	(151)			401	(401)	
	IT0421200	MNI		151	(151)			1051	(1051)	
	IT0421320	MSI		1351	(1351)			2451	(2451)	
JUN 65	IT0421340	SSI		151	(151)			4401	(4401)	
	IT0421425	PMI		301	(801)			1051	(1051)	
	IT0427450	GII		1601	(1601)			1601	(1601)	
	TOTAL			4201	(4201)			5,170	(5,170)	
JUN 65	IT0420010	INI		251	(251)			651	(651)	
	IT0421340	SSI		2401	(2401)			6401	(6401)	
	IT0421423	PMI		1201	(1201)			2001	(2001)	
	IT0421425	PMI		451	(451)			1351	(1351)	
	TOTAL			4151	(4151)			5,585	(5,585)	



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( T E S U )

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4127		TERM (SPAN)- 01APR66-30DEC66
			CUT OFF DATE- 01 APR 66
LEVEL/SUMMARY ITEM- 4/	104120	PL	RELEASE DATE- 28 APR 65

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CFSA  
INDSA

LEVEL/SUMMARY ITEM- 4/

CHARGE NUMBER

PERT COST  
 ORGANIZATION STATUS REPORT  
 BY PESP ORGN, CHARGE NUMBER, PERT ORGN, RES CODE

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TESU)  
 PROJECT -- INITIAL DESIGN (MOSA)

CONTRACT DESCRIPTION				REPORTING ORGN	CONTRACT NO.	REPORT DATES				
				4122		TERM (SPAN)- 01APR64-30DEC66				
						CUT OFF DATE- 01 APR 64				
LEVEL/SUMMARY ITEM- 47					10411300	EN	RELEASE DATE- 28 APR 65			
IDENTIFICATION				MANHOURS		DIRECT COSTS \$		TIME		
				WORK TO DATE	TOTALS AT COMPLETION	WORK TO DATE	TOTALS AT COMPLETION			
					PLANNED	REVISOR	ACTUAL	PLANNED	REVISOR	
					ESTIMATE	UNDER/		ESTIMATE	UNDER/	
						OVER/			OVER/	
						SLACK			SLACK	
						DATE			DATE	
CHARGE NUMBER	PERT ORGN	PERT ORGN	RES CODE	ACTUAL	PLANNED	REVISOR	ACTUAL	PLANNED	REVISOR	
4122										
10411300	EN	1411300	EN		2,784	(2,784)		557	(557)	
TOTAL								557	(557)	
TOTAL								557	(557)	
									</	

PAGE 2

(TFSU)  
(MDSA)

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PAGE 1

(TEBU)  
(MDSA)

[illegible]

IBM PERT COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- INITIAL DESIGN

(TESU)  
(MDS4)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATES		
		4113			TERM (SPAN)-	01APR64 30DEC66	
LEVEL/SUMMARY ITEM- 47			TC411300		CUT OFF DATE-	01APR64	
					ENI RELEASE DATE-	28APR65	
MONTH	CHARGE NUMBER	ACTUAL	INCREMENTAL COST		CUMULATIVE COST		REMARKS
			PLANNED	LATEST (OVER) REVISED (UNDER) EST. PLAN	ACTUAL	PLANNED (OVER) REVISED (UNDER) EST. PLAN	
APR 64	TC411300	ENI		35 (13)		35 (13)	
	TOTAL			35 (13)		35 (13)	
JUL 64	TC411300	ENI		25 (25)		60 (60)	
	TOTAL			25 (25)		60 (60)	
OCT 64	TC411300	ENI		895 (845)		955 (955)	
	TOTAL			895 (895)		955 (955)	
NOV 64	TC411300	ENI		1,830 (1,830)		2,785 (2,785)	
	TOTAL			1,830 (1,830)		2,785 (2,785)	
TOTAL PERIOD						2,785 (2,785)	
					</		

PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	413.4		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 64
LEVEL/SUMMARY ITEM- 4/		T0041340 BY	

[illegible]



PAGE 2

(TESU)  
(MDSR)

[illegible]

PAGE 1

CONTRACT DESCRIPTION	REPORTING MAGN	CONTRACT NO.	REPORT DATES
	4113		TERM (SPAN)- 01 APR 64-30 DEC 66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 29 APR 65
LEVEL/SUMMARY ITEM- 4/		TC411300 EN	

[illegible]

PAGE 2

(TESU)  
(MOSH)

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PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERF ORGN, RES CODE

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TSDU)  
PROJECT -- VAN EXTERIOR (MDSB)

CONTRACT DESCRIPTION				REPORTING ORGN	CONTRACT NO.	REPORT DATES			
				4214.4		TERM (SPAN) - 01 APR 64 - 30 DEC 66			
LEVEL/SUMMARY (ITEM - 47)				T042140	SS	CUT OFF DATE - 01 APR 64			
						RELEASE DATE - 28 APR 65			
IDENTIFICATION				MANHOURS				DIRECT COSTS \$	
				WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION	
					PLANNED	REVISOR (OVER RUN)		PLANNED	REVISOR (OVER RUN)
				ACTUAL	ESTIMATE	UNDER RUN		ESTIMATE	UNDER RUN
CHARGE NUMBER									
42001									
T042140	SS	14213401	SS		3201	13201		641	1641
TOTAL								641	1641
TOTAL								641	1641

PAGE 2

(TFSU)  
(MDSR)

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(T<sup>2</sup> SU)  
(MGR)

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ISM PERT COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- VAN EXTERIOR

(TESU)  
(MWSA)

CONTRACT DESCRIPTION		REPORTING PERIOD	CONTRACT NO.		REPORT DATES					
		4113			TERM (SPAN)-	01APR64	30JEC64			
					CUT OFF DATE-	01APR64				
LEVEL SUMMARY (EN- 4)			TC411300		RELEASE DATE-	28APR64				
MONTH	CHARGE NUMBER	INCREMENTAL COST				CUMULATIVE COST				REMARKS
		ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	
SEP 64	TC411300	EN		10	(10)			10	(10)	
	TOTAL			10	(10)			10	(10)	
JAN 65	TC411300	EN		40	(40)			40	(40)	
	TOTAL			40	(40)			40	(40)	
TOTAL PERIOD								40	(40)	

PAGE 1

(IF50)  
(INDSR)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES	
	42134		TERM (SPAN)-	01APR64 30DEC66
			CUT OFF DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		TD21340	SSR/RELEASE DATE-	28APR65

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PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	412.2		YCRN (SPAN)-- 01APR64-10DEC66
LEVEL/SUMMARY ITEM- 4/		T0041220 FL	CUT OFF DATE- 01 APR 64
			RELEASE DATE- 28 APR 65

[illegible]

PAGE 2

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4122		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	Y0041220	PL	

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(MOSC)

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213.2		YFRM (SPAN)- 01 APR 64-30 DEC 66 CIT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	TO42:320	45	

305



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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4214.231		TERM (SPAN) - 01APR64-30DEC64
LEVEL/SUMMARY ITEM- 4/	T0421423	PM	CUT OFF DATE- 01 APR 64 RELEASE DATE- 2R APR 65

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4214251		FROM (SPAN)- 01 APR 64-30 DEC 66
LEVEL/SUMMARY ITEM- 4/	TD421425	PN	CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4214251		TERM (SPAN) - 01 APR 64 - 30 DEC 64 EST EFF DATE - 01 APR 64 RELEASE DATE - 28 APR 65
LEVEL/SUMMARY ITEM- 4/	T0421425	PH	

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(TE SU)  
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(MOSC)

314

PAGE 1

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{NDSC}

315

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	412.2		TERM (SPAN)- 01APR64-30DEC65
LEVEL/SUMMARY ITEM- 4/	T0041220	PL	CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65

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PAGE 2

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	412.7		TERM (SPAN)- 01 APR 64-30 DEC 66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	TO041220	PL	

[illegible]

PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERF ORGN, RES CODE

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TESU)  
PROJECT -- RE-COMPRESSION CHAMBER (MOSD)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213.4		TERM (SPAN)- 01APR64-30DEC66 CMT OFF DATE- 01 APR 64 RELEASE DATE- 18 APR 65
LEVEL/SUMMARY ITEM- 47	T0421340	SS	

IDENTIFICATION				MANHOURS				DIRECT COSTS \$				TIME
				WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION				
					PLANNED	REVISIO		PLANNED	REVISIO			
					ESTIMATE	UNDER RUN		ESTIMATE	UNDER RUN			
CHARGE NUMBER	RESP ORGN	PERF ORGN	RES CODE	ACTUAL	PLANNED	REVISIO	ESTIMATE	ACTUAL	PLANNED	REVISIO	ESTIMATE	ACTUAL
	4200											
T0421340	SS	T421340	SS			96	(96)			19	(19)	
	TOTAL									19	(19)	
	TOTAL									19	(19)	

PAGE 2

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213.4		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	T0421340	SS	

[illegible]

CONTRACT DESCRIPTION	REPORTING ITEM	CONTRACT NO.	REPORT DATES
	4211251		TERM (SPAN)- 01 APR 64 - 30 DEC 66
LEVEL/SUMMARY ITEM- 4/		Y0421625	CUT OFF DATE- 01 APR 64
		PN	RELEASE DATE- 28 APR 65

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PAGE 2

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PAGE 1

(TF SU)  
(HDSF)

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PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
	62136		TERM (SPAN)- 01APR66 30DEC66 CUT OFF DATE- 01APR66 SSIRELEASE DATE- 28APR65
LEVEL/SUMMARY (YEN- 6/)		T0621360	

[illegible]

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- RE-COMPRESSION CHAMBER

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IMQSDI

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES
	421425		TERM (SPAN)- 01APR64 30DEC66 CUT OFF DATE- 01APR64 PNIRELEASE DATE- 28APR65
LEVEL/SUMMARY ITEM- 4/		TO421425	

[illegible]



## PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	412.2		TERM (SPAN)- 01 APR 64-30 DEC 66 CUT OFF DATE- 01 APR 64
LEVEL/SUMMARY ITEM- 4/	T0041220	PL	RELEASE DATE- 28 APR 65

[illegible]

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4122		TERM (SPAN) - 01 APR 64-30 DEC 66
			CUT OFF DATE - 01 APR 64
LEVEL/SUMMARY ITEM: 4/	T0041220	PL	RELEASE DATE - 28 APR 65

[illegible]

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4117		TERM (SPAN)- 01 APR 66-30 DEC 66
			CUT OFF DATE- 01 APR 66
LEVEL/SUMMARY IT4- 4/	10411300	FN	RELEASE DATE- 28 APR 65

[illegible]

## PAGE 1

(TFSU)  
(MDSF)

LEVEL/SUMMARY ITEM- 4/ T0412400 EN I CUT OFF DATE- 01 APR 64  
I RELEASE DATE- 28 APR 65

[illegible]

PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERF ORGN, RES CODE

PAGE 2

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TFSU)  
PROJECT -- ELECTRONICS (MOSE)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4124		TERM (SPAN)- 01 APR 64-30 DEC 64 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	TO412400	EN	

IDENTIFICATION				MANHOURS				DIRECT COSTS \$				TIME
				WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION				
					PLANNED	REVISD	PLANNED	REVISD	PLANNED	REVISD	PLANNED	REVISD
					ESTIMATE	UNDER RUN			ESTIMATE	UNDER RUN		
CHARGE NUMBER	RESP ORGN	PERF ORGN	RES CODE	ACTUAL	PLANNED	REVISD	PLANNED	REVISD	PLANNED	REVISD	PLANNED	REVISD
SUMMARY ITEM TOTAL									1281	(1281)		

## PAGE 1

(TF SU)  
(MPSE)

( FVEL/SUMMARY ITEM- 6/CHARGE NUMBER

PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERF ORGN, RES CODE

PAGE

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TFSU)  
PROJECT -- ELECTRONICS (MOSF)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4200, 1		TERM (SPAN) - 01 APR 64 - 30 DEC 66 CMT OFF DATE - 01 APR 64 RELEASE DATE - 28 APR 65
LEVEL/SUMMARY ITEM - 47	10420010	IN	

IDENTIFICATION				MANHOURS				DIRECT COSTS \$				TIME	
				WORK TO DATE	TOTALS AT COMPLETION			WORK TO DATE	TOTALS AT COMPLETION				
					PLANNED	REVIS	ESTIM		PLANNED	REVIS	ESTIM		
CHARGE NUMBER	TRESP ORGN	PERF ORGN	TRES CODE	ACTUAL	PLANNED	REVIS	ESTIM	ACTUAL	PLANNED	REVIS	ESTIM	MOST SLACK	OR ACTUAL DATE
SUMMARY ITEM TOTAL													



## PAGE 1

[illegible]

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4212		TERM (SPAN) - 01 APR 64 - 30 DEC 66 CUT OFF DATE - 01 APR 64 RELEASE DATE - 28 APR 64
LEVEL/SUMMARY ITEM- 4/		T0421200	04

[illegible]

PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERT ORGN, RES CODE

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TESU)  
PROJECT -- ELECTRONICS (EMSE)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213		TERM (SPAN) - 01 APR 64-30 DEC 64
LEVEL/SUMMARY ITEM- 47	TO421320	MS	CUT OFF DATE- 01 APR 64
			RELEASE DATE- 28 APR 65

IDENTIFICATION				MANHOURS				DIRECT COSTS \$				TIME
				WORK TO DATE	TOTALS AT COMPLETION			WORK TO DATE	TOTALS AT COMPLETION			
					PLANNED	REVISED	(OVERRUN)	ACTUAL	PLANNED	REVISED	(OVERRUN)	(OVERRUN)
CHARGE NUMBER	RESP ORGN	PERT ORGN	RES CODE	ACTUAL	ESTIMATE	ESTIMATE	UNDER/		ESTIMATE	ESTIMATE	UNDER/	DATE
	42001											
TO421320	MS	TO421320	MS		112	112			22	22		
TOTAL									22	22		
TOTAL									22	22		

PAGE 2

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213.2		TERM (SPAN)- 01APR64-30DEC66
LEVEL/SUMMARY ITEM- 4/	T0421320	MS	CUT OFF DATE- 01 APR 64
			RELEASE DATE- 28 APR 65

[illegible]

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4213.4		TERM (SPAN)- 01APR64-30DEC66 GUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	TO421340	SS	

[illegible]

## PAGE 2

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	42134		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 69
LEVEL/SUMMARY ITEM- 4/	TO421340	SS	

[illegible]

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4214.2		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	10621420	PS	

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CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	62142		TERM (SPAN)- 01 APR 66-30 DEC 66
LEVEL/SUMMARY ITEM- 47	TD621420	PS	CUT OFF DATE- 01 APR 66 RELEASE DATE- 29 APR 65

340



## PAGE 1

(TF5U)  
(MNSF)

[illegible]

PAGE 7

(TF5U)  
(M75F)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATE
	4273		FORM (SP41)- 01 APR 61-30 DEC 66
LEVEL/SUMMARY ITEM- 47	1042300	FM	CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65

[illegible]

INM PERT COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- ELECTRONICS

(TFSU)  
(MOSE)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATE		
		41242			TERM (SPAN)-	01APR64 30DEC64	
					CUT OFF DATE-	01APR64	
LEVEL/SUMMARY ITEM- 47			T0041220		PL RELEASE DATE-	28APR65	
MONTH	CHARGE NUMBER	ACTUAL	INCREMENTAL COST		CUMULATIVE COST		REMARKS
			PLANNED	LATEST (OVER) UNDER REVISED EST. PLAN	PLANNED	LATEST (OVER) UNDER REVISED EST. PLAN	
OCT 64	T0041220	PL		55 (55)		55 (55)	
	TOTAL			55 (55)		55 (55)	
APR 65	T0041220	PL		15 (15)		70 (70)	
	TOTAL			15 (15)		70 (70)	
TOTAL PERIOD						70 (70)	

## PAGE 1

(YES)  
(NOSE)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATES				
		0013.			TERM (SPAN)-	01APR64	100FC66		
LEVEL/SUMMARY ITEM- 4/			TO411300		EST OFF DATE-	01APR64			
					FNIRLEAF DATE-	20APR65			
MONTH	CHANGE NUMBER	ACTION	INCREMENTAL COST		ACTUAL	CUMULATIVE COST		REMARKS	
			(LATEST) PLANNED REVISED	(COVER) UNDER PLAN		(LATEST) PLANNED REVISED	(COVER) UNDER PLAN		
OCT 64	TO411300	FNIR		15	(15)		15	(15)	
	TOTAL			15	(15)		15	(15)	
TOTAL PERIOD							15	(15)	

PAGE 2

( TFSU )  
( MOSE )

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES	
	4124		TERM (SPAN)-	01APR64 00DEC64
			EXPIR DATE-	01APR64
LEVEL/SUMMARY ITEM- 4/		TO-12400	ENTRFLSP DATE-	24APR69

[illegible]

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(TF SU)  
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PAGE 1

(TESUI  
?NDSE?

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PAGE 1

(TESU)  
(MDSF)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES	
	4214.2		TERM (SPAN)-	01APR64 30DEC66
LEVEL/SUMMARY ITEM- 4/		TO421470	CUT OFF DATE-	01APR64
			PSI RELEASE DATE-	28APR65

[illegible]

PAGE 1

(TESU)  
(MDSE)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES		
	4223		TERM (SPAN)-	01APR64	30DEC66
			CUT OFF DATE-	01APR64	
LEVEL/SUMMARY ITEM- 4/		T0422300	ENIRELEASE DATE-	28APR65	

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PERT COST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERF ORGN, RES CODE

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TESU)  
PROJECT -- DIVERS SUPPORT EQUIPMENT (MOSF)

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	413.4		TERM (SPAN)- 01APR64-30DEC66
LEVEL/SUMMARY ITEM- 47	TD041340	RY	CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65

IDENTIFICATION				MANHOURS				DIRECT COSTS \$				TIME
				WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION				
					PLANNED	REVISIED	PROJECTED	PLANNED	REVISIED	PROJECTED		
					ESTIMATE	UNDERRUN			ESTIMATE	UNDERRUN		
CHARGE NUMBER	RESP ORGN	PERF ORGN	RES CODE	ACTUAL				ACTUAL				
	4101											
TD041340	RY	TD041340	RY			56	(56)			11	(11)	
	TOTAL									11	(11)	
	TOTAL									11	(11)	



## PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	6113		TERM (SPAN) - 01APR64-30DEC66 CUT OFF DATE - 01 APR 64 RELEASE DATE - 28 APR 65
LEAD/SUMMARY ITEM- 4/	T0411300	FM	

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PER MONTH COST  
FINANCIAL PLAN AND STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- DIVERS SUPPORT EQUIPMENT

(1) SUI  
(MOSP)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATES					
		413.4			TFM (SPPN)-	DIAPR64	30DEC66			
LEVEL/SUMMARY ITEM- 47			T0041340		CUT OFF DATE-	DIAPR64				
					BY RELEASE DATE-	28APR65				
MONTH	CHARGE NUMBER	INCREMENTAL COST				CUMULATIVE COST				REMARKS
		ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	
AUG 64	T0041340	AV		15	(15)			15	(15)	
	TOTAL			15	(15)			15	(15)	
OCT 64	T0041340	AV		25	(25)			40	(40)	
	TOTAL			25	(25)			40	(40)	
DEC 64	T0041340	AV		15	(15)			55	(55)	
	TOTAL			15	(15)			55	(55)	
TOTAL PERIOD								55	(55)	



PAGE 1

(TF SU)  
(MDSF)

CONTRACT DESCRIPTION	REPORTING ORGN.	CONTRACT NO.	REPORT DATES		
	4113.		TERM (SPAN)-	01APR64	30DEC64
			-CIT OFF DATE-	01APR64	
LEVEL/SUMMARY ITEM- 4/		10411300	-MIDLEASE DATE-	28APR65	

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PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	412.2		TERM (SPAN)- 01APR64-30DEC66 CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65
LEVEL/SUMMARY ITEM- 4/	T0041270	PL	

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PAGE 2

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PAGE 1

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PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4113		TERM (SPAN)- 01APR64-30DEC66
LEVEL/SUMMARY ITEM- 41		Y0411300	CITY OFF DATE- 01 APR 64
		FM	RELEASE DATE- 25 APR 65

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PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TFSU)  
PROJECT -- MECH (MSG)

364



PAGE 2

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(MDSG,

[illegible]

PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	621112		1 TERM (SPAN) - 01APR66-30DEC66
LEVEL/SUMMARY ITEM- 47	T0421320	MS	1 CMT OFF DATE- 01 APR 66
			1 RELEASE DATE- 20 APR 65

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PAGE 2

(TF 51)  
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## PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	42134		TERM (SPAN)- 01APR66-30DEC66
			CUT OFF DATE- 01 APR 66
1 VFL SUMMARY ITEM- 4/	0461340	SS	RELEASE DATE- 28 APR 65

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(ND SG)

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976 SUB  
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PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	42001		TERM (SPAN)- 01 APR 64-30 DEC 66
LEVEL/SUMMARY ITEM- 47	Y0420010	IN	CUT OFF DATE- 01 APR 64 RELEASE DATE- 24 APR 65

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(MDSH)

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PAGE 1

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PAGE 1

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## PAGE

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4202		TERM (SPAN)- 01 APR 66-30 DEC 66
LEVEL/SUMMARY ITEM- 4/	10420010	IN	CUT OFF DATE- 01 APR 64 RELEASE DATE- 28 APR 65

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PAGE 1

CONTRACT DESCRIPTION				REPORTING ORGN	CONTRACT NO.		REPORT DATES					
LEVEL/SUMMARY ITEM- 4/					T0421340		SS					
IDENTIFICATION				MANHOURS		DIRECT COSTS \$				TIME		
				WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION				
CHARGE NUMBER	IRSP ORGN	IPRF TORGN	IRIS ICODE	ACTUAL	PLANNED	LATEST ESTIMATE	PROJECTED (OVER/UNDER)	ACTUAL	PLANNED	LATEST ESTIMATE	PROJECTED (OVER/UNDER)	MOST SCHED OR CRIT SLACK (A) COMP DATE
T0421340	SS	T421340	SS			360	(360)			72	(72)	
TOTAL										72	(72)	
TOTAL										72	(72)	





PERT POST  
ORGANIZATION STATUS REPORT  
BY RESP ORGN, CHARGE NUMBER, PERT ORGN, RES CODE

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE (TSDU)  
PROJECT -- FINAL ASSEMBLY (MDSI)

CONTRACT DESCRIPTION	REPORTING ORG	CONTRACT NO.	REPORT DATES
	4214.231		TERM (SPAN) - 01 APR 64-30 DEC 66 CUT OFF DATE - 01 APR 64
LEVEL SUMMARY ITEM- 47	T0421423	PM	RELEASE DATE - 28 APR 65

[illegible]

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4214.231		TERM (SPAN)- 01 APR 64-30 DEC 64
LEVEL/SUMMARY ITEM- 4/	T0421423	PM	CUT OFF DATE- 01 APR 64 RELEASE DATE- 24 APR 64

IDENTIFICATION				MANHOURS			DEFECT COSTS \$				TIME	
CHARGE NUMBER	IRFSP TORGN	IPRFI TORGN	IRES CODE	WORK TO DATE	TOTALS AT COMPLETION		WORK TO DATE	TOTALS AT COMPLETION		TIME		
				ACTUAL	PLANNED	LATEST REVISIO ESTIMATE	PROJECTED (OVERRUN) UNDERRUN	ACTUAL	PLANNED	LATEST REVISIO ESTIMATE	PROJECTED (OVERRUN) UNDERRUN	MOST SCHED ACTUAL DATE
SUMMARY ITEM TOTAL									20	(2%)		

## PAGE 1

CONTRACT DESCRIPTION	REPORTING ORGN	CONTRACT NO.	REPORT DATES
	4224.5		PERM (SPAN)- 01APR64-30DEC66
LEVL/SUMMARY ITEM- 47	T0422450	01	CUT OFF DATE- 01 APR 66 RELEASE DATE- 28 APR 65

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FINANCIAL PLAN STATUS  
BY MONTH, BY CHARGE NUMBER

PAGE 1

PROGRAM -- TECHNICAL SUPPORT DIRECTORATE  
PROJECT -- FINAL ASSEMBLY

DTES01  
(M051)

CONTRACT DESCRIPTION		REPORTING ORGN.	CONTRACT NO.		REPORT DATES					
		4200.1			TERM (SPAN) -	01APR66 30DEC66				
LEVEL/SUMMARY ITEM - 47			T0621010		CUT OFF DATE -	01APR66				
					IN RELEASE DATE -	24APR65				
MONTH	CHARGE NUMBER	INCREMENTAL COST				CUMULATIVE COST				REMARKS
		ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	ACTUAL	PLANNED	LATEST REVISED EST.	(OVER) UNDER PLAN	
JUN 65	10420010	151		151	(151)			151	(151)	
	TOTAL			151	(151)			151	(151)	
JUL 65	10420010	101		101	(101)			251	(251)	
	TOT			101	(101)			251	(251)	
TOTAL PERIOD								251	(251)	

PAGE 1

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394

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## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DEPARTMENT  
PROJECT INITIAL DESIGN( YES )  
( NO )RUN DATE 29APR65  
DATA DATE 01APR64

LEVEL 7

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	LEPT.
00000	00011	5	START MOBILE DIVERS SUPPORT		0 0	001APR64 001APR64		411300
00011	00010	1	END PLANNING CONFERENCE	01	0 0	002APR64 002APR64		001220
00010	00012	1	END INITIAL ENGL CONFERENCE	0	0 0	002APR64 002APR64		411300
00012	00050	1	SUPPORT EQUIPMENT SPEC.	05	0 0	000APR64 000APR64		411300
00050	00000	1	SPECIFY SUPPORT EQUIPMENT	( 50 )	0 0	000APR64 000APR64		411300
00011	00010	1	END INITIAL ENGL CONFERENCE	01	0 0	002APR64 002APR64		411300
00012	00050	1	VAN SPECIFICATIONS	500	0 08	012JUN64 014JUN64		411300
00020	00020	1	SPECIFY VAN	( 20 )	0 08	012JUN64 014JUN64		411300
00012	00040	1	GENERAL DESIGN	1100	0 70	009SEP64 010OCT64		411300
00031	00020	1	GENERAL ENGINEERING	( 21 )	0 70	009SEP64 010OCT64		411300
00012	00040	1	DESIGN DIVERS SUPPORT	1500	0 708	005NOV64 006MAR65		411300
00040	00020	1	ENGL DESIGN RE-CON CHAMBER	( 50 )	0 70	005NOV64 006MAR65		411300

PROJ.-INITIAL DESIGN

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( MDC A )

DAF-01 APR 64

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04-10-64

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EVENT ORIENTED DIAGRAM

PRGJ - INITIAL DESIGN  
11-06-64

LEVEL- 7

( MDSL)

DATE-01APR64

PAGE 2

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## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN EXTENSION( TESU )  
( MOSB )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL 7

BY PRIMARY SLACK

PRCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00020	1	VAN SPECIFICATIONS	( 20)	+ .8	X12JUN64 X24JUN64		411300
00020	00021	2	VAN PROCUREMENT STARTED	4.0	+ .8	X10AUG64 X20AUG64		411300
00021	00022	2	VAN PROCURED	9.0	+ .8	X16DEC64 X29DEC64		411300
00022	00023	2	VAN MATERIAL PROCURED	2.1	+ .8	X18JAN65 X28JAN65		421340
00023	00032	2	DUMMY	.	+ .8	X18JAN65 X28JAN65		421340
00032	00000	1	SHOP SPECS. MACHINE VAN	( 32)	+ .8	X18JAN65 X28JAN65		420000
00000	00023	1	VAN MATERIAL PROCURED	( 23)	+ .8	X18JAN65 X28JAN65		421340
00000	00000	1	SHOP WORK COMPLETED VAN	( 80)	+ .8	13JUL65 23JUL65		421340
00023	00080	2	SHOP WORK COMPLETED	5.2	+ 7.9	X01APR65 23JUL65		420000

PROJ.-VAN EXTERIOR

LEVEL- 7 ( MOSB)

DATE-01 APR 64

PAGE 1

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EVENT ORIENTED DIAGRAM

PROJ. VAN EXTERIOR  
04-77-15

LEVEL - 7 ( M050) DATE-01APR64 PAGE 2

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## ACTIVITY TIME STATUS REPORT

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PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT VAN INTERIOR( TESU )  
( HMSC )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL 7

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00032	00000	1	SHOP SPECS. MACHINE VAN	( 32)	+ .8	X18JAN65 X28JAN65		420000
00023	00000	1	VAN STRUCTURAL SHOP	( 23)	+ .8	X18JAN65 X28JAN65		420000
00032	00080	3	SHOP WORK COMPLETED	12.3	+ .8	13JUL65 23JUL65		420000
00080	00000	1	SHOP WORK COMPLETED VAN	( 80)	+ .8	13JUL65 23JUL65		420000
00000	00031	1	GENERAL DESIGN	( 31)	+ 7.0	X08SEP64 X16DEC64		411300
00031	00034	3	VAN SHOP SPECS. SURFACE	2.0	+ 7.0	X06OCT64 X15JAN65		041270
00034	00080	3	SHOP WORK COMPLETED	13.2	+ 7.0	X14APR65 23JUL65		420000
00031	00033	3	VAN SHOP SPECS. METAL	2.0	+ 7.1	X06OCT64 X18JAN65		041220
00033	00080	3	SHOP WORK COMPLETED	13.1	+ 7.1	X13APR65 23JUL65		420000
00031	00023	3	SHOP SPECS. STRUCTURAL VAN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00031	00032	3	SHOP SPECS. MACHINE VAN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00031	00035	3	VAN SHOP SPECS. PATTERN	2.0	+ 7.9	X06OCT64 X28JAN65		041220
00035	00080	3	SHOP WORK COMPLETED	12.3	+ 7.9	X01APR65 23JUL65		420000

EVENT ORIENTED DIAGRAM

PROJ. - VAN INTERIOR

LEVEL - 7

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DATF-01APR64

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## ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT RE COMPRESSION CHAMBER( TFSU )  
( MDSO )RUN DATE- 28APR65  
DATA DATE 01APR66

LEV 1

BY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIM SEC	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00090	00000	1 SHOP WORK COMPLETED RE-COMP	1 80.1	+ 1.8	13JUL65 23JUL65		420030
00000	00040	1 DESIGN DIVERS SUPPORT	1 4.1	+ 7.4	X05NOV64 X01MAR65		411300
00040	00041	4 SHOP SPEC. STRUCTURAL RE-COM	4 4.0	+ 7.3	X05JAN65 X24APR65		041220
00041	00000	1 PROCURE RE-COM CHAMBER	1 4.1	+ 7.4	X05JAN65 X24APR65		411300
00041	00080	4 SHOP WORK COMPLETED	4 2.2	+ 7.4	X02APR65 23JUL65		420000
00040	00042	4 RE-COMM SHOP SPEC. SURFACE	4 4.0	+ 8.1	X05JAN65 X28APR65		041220
00042	00080	4 SHOP WORK COMPLETED	4 4.0	+ 9.0	X01MAR65 23JUL65		420000

EVENT ORIENTED DIAGRAM

PROJ.-RF-COMPRESSION CHAMBER

LEVEL- 7

( MOSO)

DATE-01APR64

PAGE 1

11-06-64	01-06-65	04-02-65
00040	00041	00080
*****	*****	*****
*DESIGN *	*SHOP SP*	*SHOP WD*
*DIVERS *	*ECS, STR*	*ORK COMP*
-----SUPPORT-----	-----UCTURAL-----	-----LFTED-----
* + 7.80--7	* RF-COM*	* + 7.80
***** 1	* + 7.80 1	* + 7.80
411300 1	***** 1	*****
1	041220 1	420000
1	1	
1	1	
1	00042 1	
1	***** 1	
1	*RF-COMM* 1	
1	* SHOP S* 1	
1	-----PECS. S-----	
	*URFACE *	
	* + 8.3*	
	*****	
	041220	

## ACTIVITY TIME STATUS REPORT

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PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT ELECTRONICS( TESU )  
( MOSE )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL 7

BY PRIMARY SLACK

PREC EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00050	1	SUPPORT EQUIPMENT SPEC.	( 50)	+ .	X09APR64 X09APR64		411300
00050	00052	5	ELECTRONICS DESIGN DIVICES	10.5	+ .	X09SEP64 X09SEP64		412400
00052	00051	3	ENG. DESIGN EQUIP. INSTAL.	.	+ .	X09SEP64 X09SEP64		412400
00051	00502	5	SHOP WORK COMPLETED	14.6	+ .	X06APR65 X06APR65		420000
00502	00300	1	PRODUCTION COMPLETED	( 502)	+ .	X06APR65 X06APR65		420010
00050	00051	5	ENG. DESIGN EQUIP. INSTAL.	10.5	+ .	X09SEP64 X09SEP64		412400
00041	00000	1	PROCURE RF-COM CHAMBER	( 41)	+ 7.9	X05JAN65 X26APR65		411300
00051	00058	5	SHOP SPECS. STRUCTURAL	.8	+ 8.9	X18SEP64 X26JAN65		041220
00058	00500	5	SHOP WORK MACHINE	4.4	+ 8.9	X19NOV64 X30MAR65		421200
00500	00059	5	INSPECTION	.1	+ 8.9	X20NOV64 X31MAR65		420010
00059	00000	1	PROCURE ELECTRONICS MATERIAL	( 59)	+ 8.9	X20NOV64 X31MAR65		041340
00059	00501	5	SHOP WORK ELECTRONICS	.3	+ 8.9	X25NOV64 X05APR65		422300
00501	00502	5	SHOP WORK COMPLETED	.1	+ 8.9	X27NOV64 X06APR65		420000
00051	00055	5	SHOP SPECS. METAL	.8	+ 9.1	X18SEP64 X28JAN65		041220
00055	00500	5	SHOP WORK MACHINE	4.2	+ 9.1	X17NOV64 X30MAR65		421200
00051	00054	5	SHOP SPECS. MACHINE	.3	+ 9.3	X18SEP64 X01FEB65		041220
00054	00500	5	SHOP WORK MACHINE	4.0	+ 9.1	X13NOV64 X30MAR65		421200
00051	00057	5	SHOP SPECS. SURFACE	.8	+ 9.4	X18SEP64 X02FEB65		041220
00057	00500	5	SHOP WORK MACHINE	3.9	+ 9.4	X12NOV64 X30MAR65		421200
00051	00056	5	POWER EQUIP. PROCURED	.2	+ 9.5	X10SEP64 X26JAN65		411300
00056	00058	5	SHOP SPECS. STRUCTURAL	.	+ 9.5	X10SEP64 X26JAN65		041220
00051	00049	5	SHOP SPECS. ELECTRONICS	.7	+13.5	X17SEP64 X31MAR65		041220
00050	00041	5	PROCURE RF-COM-CHAMBER	8.5	+18.0	X17AUG64 X26APR65		411300

# EVENT ORIENTED DIAGRAM

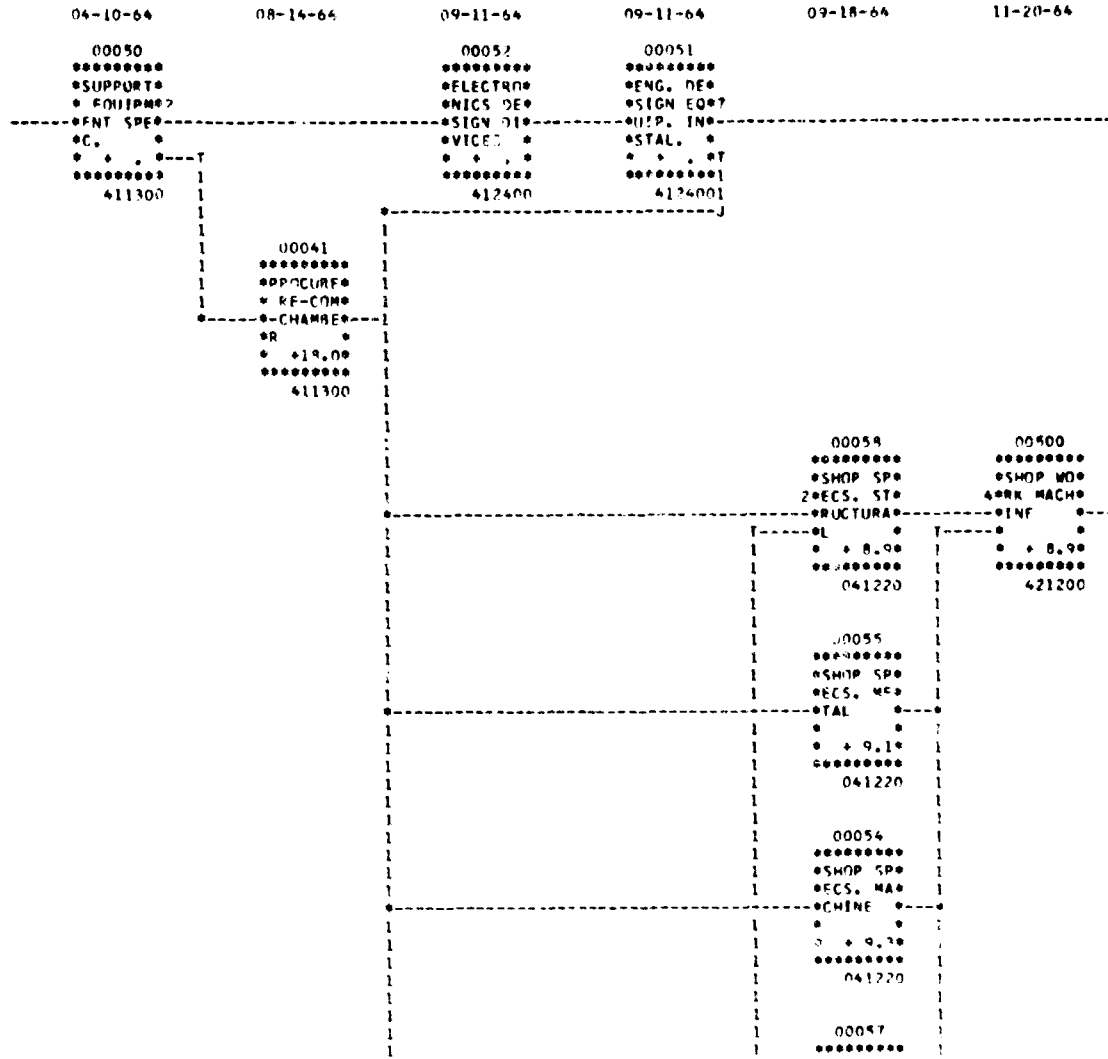
PROJ.-ELECTRONICS

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**PROJ.-ELECTRONICS**

11-20-64

11-27-64

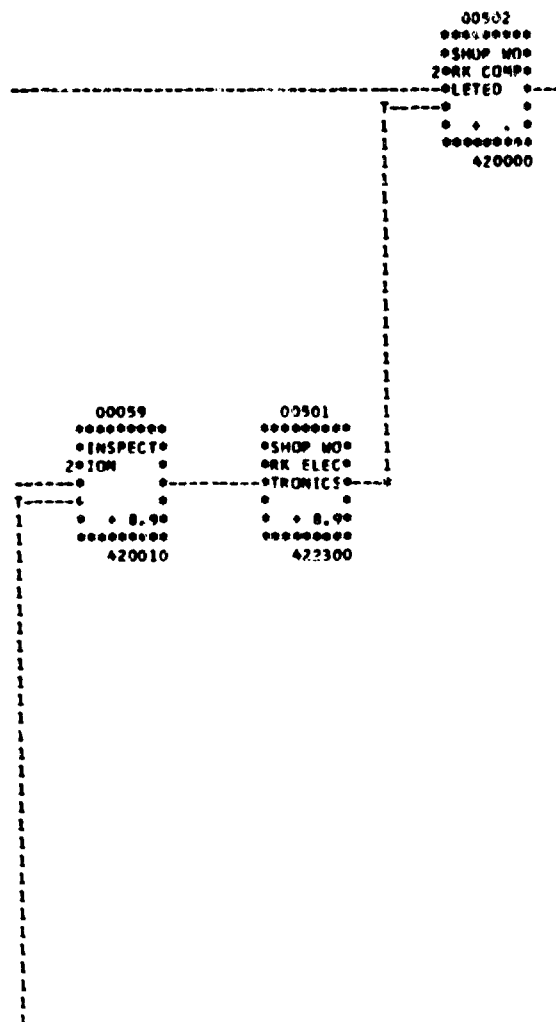
04-09-65

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ACTIVITY TIME STATUS REPORT

PAGE 1

PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT DIVERS SUPPORT EQUIPMENT

( TESU )  
( MOSF )

RUN DATE- 28APR65  
DATA DATE 01APR65

LEVEL 7

BY PRIMARY SLACK

PREC EVENT	SICC. EVENT		ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIMR SECON	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00050	1	SUPPORT EQUIPMENT SPEC.	1 501	0 .	X07APR64 X09APR64		411300
00502	00000	1	PROCUREMENT GROUND INSTALLAT	1 5021	0 .	X05APR65 X05APR65		041340
00050	00502	6	PROCUREMENT COMPLETED	17.6	0 7.5	X17DEC64 X06APR65		420000
00059	00000	1	PRICU ELECTRONICS MATERIAL	1 591	0 8.9	X20NOV64 X31MAR65		041340
00050	00060	6	GROUND INSTAL. MAT. PLANNED	12.4	0 9.5	X05OCT64 X1AFEB65		041340
00060	00502	6	PROCUREMENT COMPLETED	7.2	0 9.5	X19NOV64 X06APR65		420000
00050	00059	6	PRICU MAT ELEC DEVICES	7.8	0 15.0	X10JUL64 X31MAR65		041340





## ACTIVITY TIME STATUS REPORT

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PROGRAM PROJECT TECHNICAL SUPPORT DIRECTORATE (TESU) (MOSG)  
 RUN DATE- 28APR65  
 DATA DATE 01APR65  
 BY PRIMARY SLACK

LEVEL 7

PRCE EVENT	SUCC. EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIM SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00010	1	SUPPORT EQUIPMENT SPEC.	( 40)	0 .	01APR64 01APR64		411300
00090	00070	7	MECH MAT PROCUREMENT PLANNED	17.6	0 7.7	01DEC64 00APR65		411300
00070	00072	7	SHOP SPECS. DIVERS STRUCTURA	7.0	0 7.7	01JAN65 00APR65		041220
00072	00071	7	SHOP SPECS. DIVERS SURFACE	0	0 7.7	01JAN65 00APR65		041220
00071	00074	7	SHOP WORK COMPLETED	7.3	0 7.7	01APR65 17APR65		420000
00075	00000	1	SHOP WORK COMPLETED DIVERS	( 75)	0 7.7	01APR65 17APR65		420000
00000	00040	1	DESIGN DIVERS SUPPORT	( 40)	0 7.4	01APR64 01MAR65		411300
00072	00075	7	SHOP WORK COMPLETED	7.2	0 7.4	01APR65 19AUG65		420000
00072	00074	7	SHOP SPECS. DIVERS METAL	0	0 7.0	01JAN65 01MAY65		041220
00074	00075	7	SHOP WORK COMPLETED	7.1	0 7.0	01APR65 19AUG65		420000
00072	00073	7	SHOP SPECS. DIVERS MACHINE	0	0 7.9	01JAN65 01MAY65		041220
00073	00074	7	SHOP WORK COMPLETED	7.1	0 7.9	01APR65 19AUG65		420000
00040	00071	7	SHOP SPECS. DIVERS SURFACE	7.2	+10.4	00DEC64 00APR65		041220
00040	00072	7	SHOP SPECS. DIVERS STRUCTURA	7.2	+10.4	00DEC64 00APR65		041220
00040	00073	7	SHOP SPECS. DIVERS MACHINE	7.2	+10.4	00DEC64 01MAY65		041220
00040	00074	7	SHOP SPECS. DIVERS METAL	7.2	+10.4	00DEC64 01MAY65		041220

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      *CHINE *
      * + 7.0 *
      *.....*
      041720

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## ACTIVITY TIME STATUS REPORT

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PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT SUBASSEMBLY( TESU )  
( MOSH )RUN DATE- 28APR65  
DATA DATE 01APR64

LEVEL 7

RY PRIMARY SLACK

PREC EVENT	SUCCE EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRIN# SECNO	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00090	00000	1	SUBASSEMBLY	( 90)	+ .	05AUG65 05AUG65		420010
00000	00090	1	SHOP WORK COMPLETED	( 80)	+ .8	13JUL65 23JUL65		420000
00090	00091	8	INSPECTION	.1	+ .2	14JUL65 26JUL65		420010
00081	00082	8	SUBASSEMBLY STRUCTURAL SHOP	.7	+ .9	23JUL65 04AUG65		421340
00082	00090	8	SUBASSEMBLY	.1	+ .8	26JUL65 05AUG65		420000

PROJ.-SUBASSEMBLY		EVENT ORIENTED DIAGRAM		LEVEL- 7	( MDSH)	DATE-01APR64	PAGE 1
07-16-65	07-16-65	07-23-65	07-30-65				
00080	00081	00082	00090				
*****	*****	*****	*****				
*SHOP W*	*INSPECT*	*SUBASSE*	*SUBASSE*				
*RR CORP*	*ION *	*MBLY ST*	*MBLY *				
PLETED *		STRUCTURA*					
* * .8*	* * .3*	*L SHOP *	* * .8*				
*****	*****	*****	*****				
420000	420010	421340	420000				



## ACTIVITY TIME STATUS REPORT

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PROGRAM TECHNICAL SUPPORT DIRECTORATE  
PROJECT FINAL ASSEMBLY( TFSU )  
( MHSI )RUN DATE- 28APR65  
DATA DATE 01APR65

LEVEL 7

BY PRIMARY SLACK

PREC EVENT	SUC EVENT	C	ACTIVITY DESCRIPTION	ELAPSED TIME	SLACK PRMR SECND	COMPLETION DATES EXPECTED LATEST	SCHED. DATE	DEPT.
00000	00502	I	SHOP WORK COMPLETED	( 502 )	+ .	X06APR65 X05APR65		420000
00502	00090	5	SHOP WORK GROUND INSTALLATIO	9.5	+ .	05AUG65 05AUG65		422450
00090	00091	9	SHOP WORK PATTERN	1.1	+ .	20AUG65 20AUG65		421423
00091	00092	9	FINAL ASSEMBLY	2.1	+ .	21SEP65 21SEP65		421340
00092	00093	9	TASK COMPLETED	.1	+ .	22SEP65 22SEP65		420000
00093	00000	F	END MOBILE DIVING SUPPORT SY		+ .	22SEP65 22SEP65		411300
00000	00090	I	START PATTERN SHOP	( 90 )	+ .	05AUG65 05AUG65		420000
00000	00075	I	SHOP WORK COMPLETED	( 75 )	+ 7.7	030APR65 17AUG65		420000
00075	00091	7	SHOP WORK PATTERN	.1	+ 7.7	003MAY65 20AUG65		421423

PROJ.-FINAL ASSEMBLY

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### EVENT ORIENTED DIAGRAM

PROJ.-FINAL ASSEMBLY

LEVEL- 7

( MOSII )

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09-24-69

09-24-69

00093  
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\*TASK C\*  
\*PLETED\*

420000

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Security Classification

DOCUMENT CONTROL DATA - R&D		
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		2b. GROUP
3. REPORT TITLE		
THE PERT CRITICAL-PATH COST SYSTEM		
4. DESCRIPTIVE NOTES (Type of report and inclusive dates)		
5. AUTHOR(S) (Last name, first name, initial)		
Thorne, C. J.		
6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
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b. PROJECT NO. None	PMR-TM-66-3	
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13. ABSTRACT		
<p>A description is given of the PERT critical-path cost system and our experimental testing and evaluation of the IBM 7094 PERT Cost II program for potential Navy, Point Mugu use. Networks for two hardware projects, one management project, and a laboratory building project were successful. The PERT system and capability developed are available for cooperative implementation.</p> <p>The experience gained through the use of PERT at PMR indicates the following:</p> <ol style="list-style-type: none"><li>1. The PERT critical-path cost system for managing and allocating time and resources and evaluating performance should be established at PMR, by phasing it in, project by project. The initial effort should be to establish individual project time, man-power, and performing organization PERT network and manual update reporting.</li><li>2. Major and immediate improvements in planning and performance can be expected since this is the common experience. Dollar savings follow as a natural consequence of improved performance and automation.</li><li>3. Many present managers are generally familiar with the PERT system. This, together with the available checked-out IBM PERT Cost II computer program, will save training, programming time and cost.</li><li>4. The effort will fail without the dedicated contributions of PERT analysts and experts, routine computer report processing, review, and expediting by a computer services group, estimates and progress reviews by the performing groups, management review and action at all levels based on these networks and reports.</li></ol>		

DD FORM 1473 2100-107-0000

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14	KEY WORDS	LINK A		LINK B		LINK C	
		ROLE	WT	ROLE	WT	ROLE	WT
	<b>PERT</b> Critical path Cost system Management systems						

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